09610095 - 060300

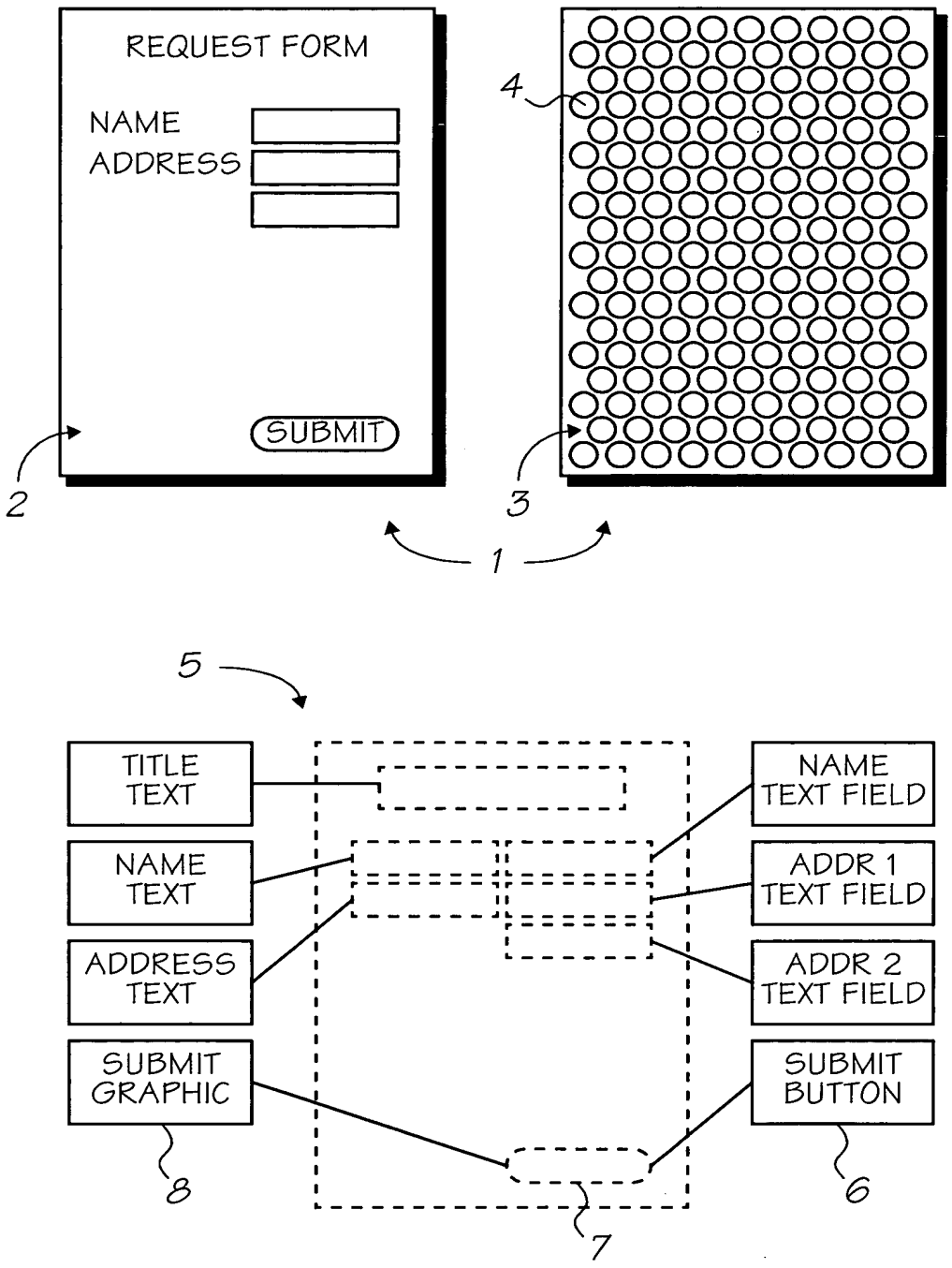


FIG. 1

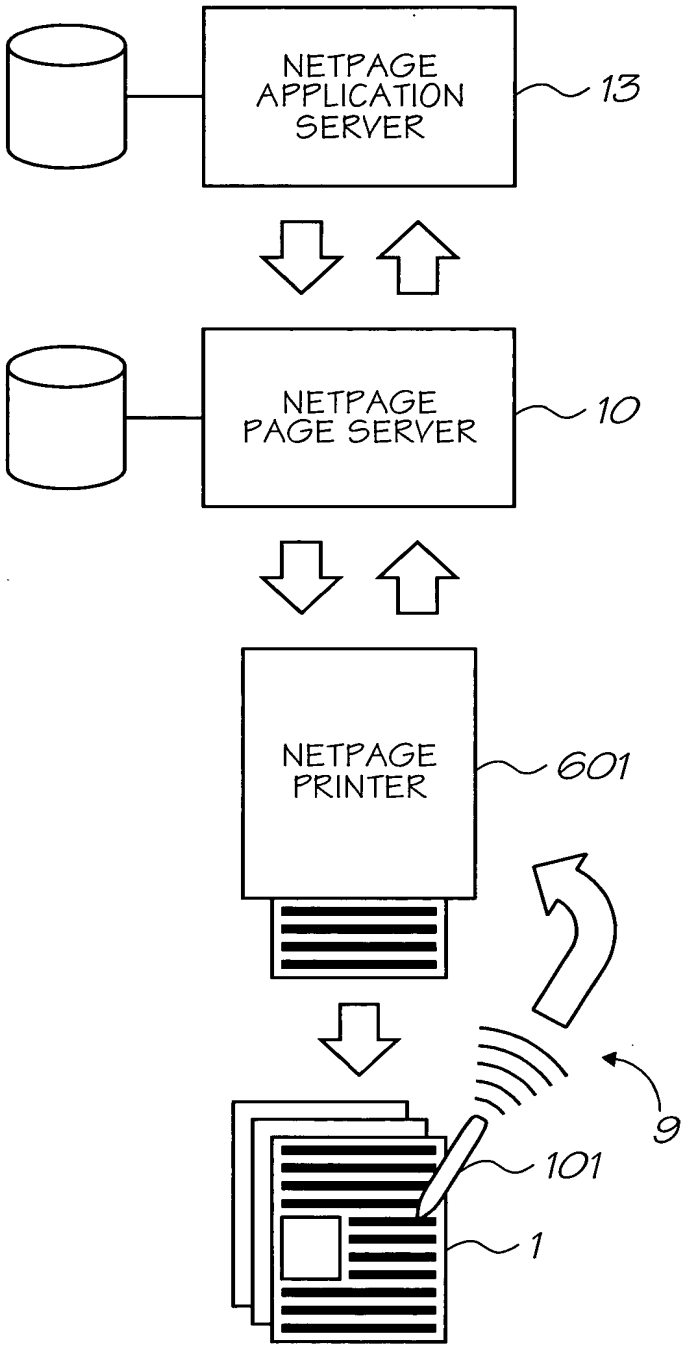


FIG. 2

09610095.050300

09600595 - 063000

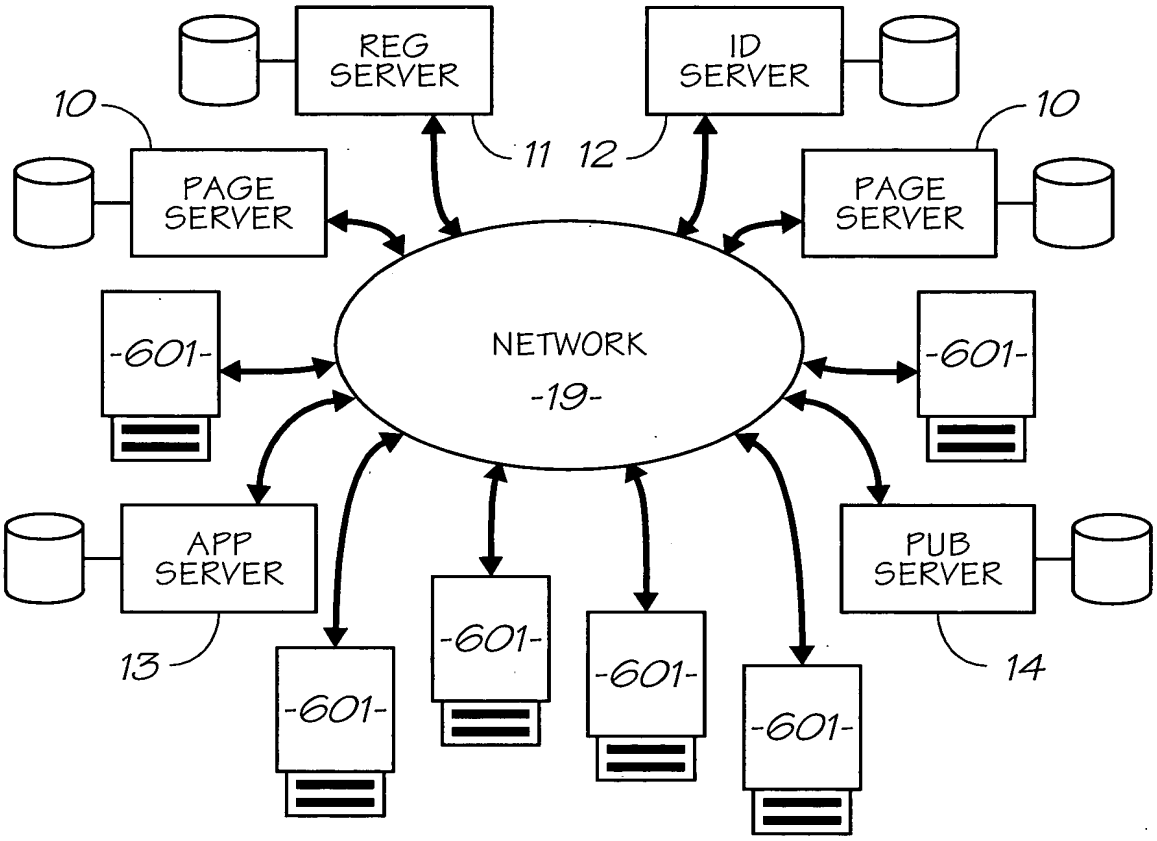


FIG. 3

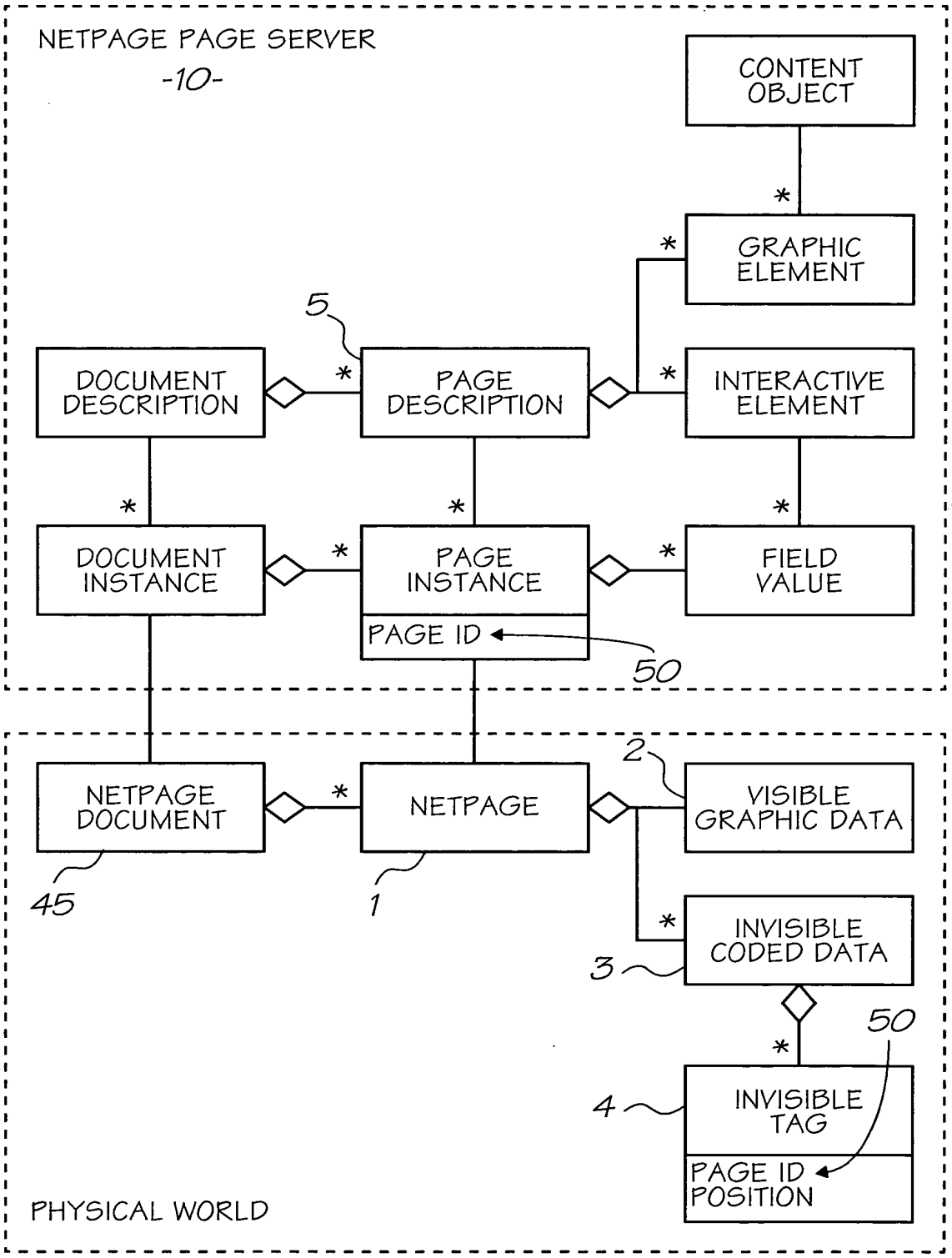


FIG. 4

09640935 - 060300

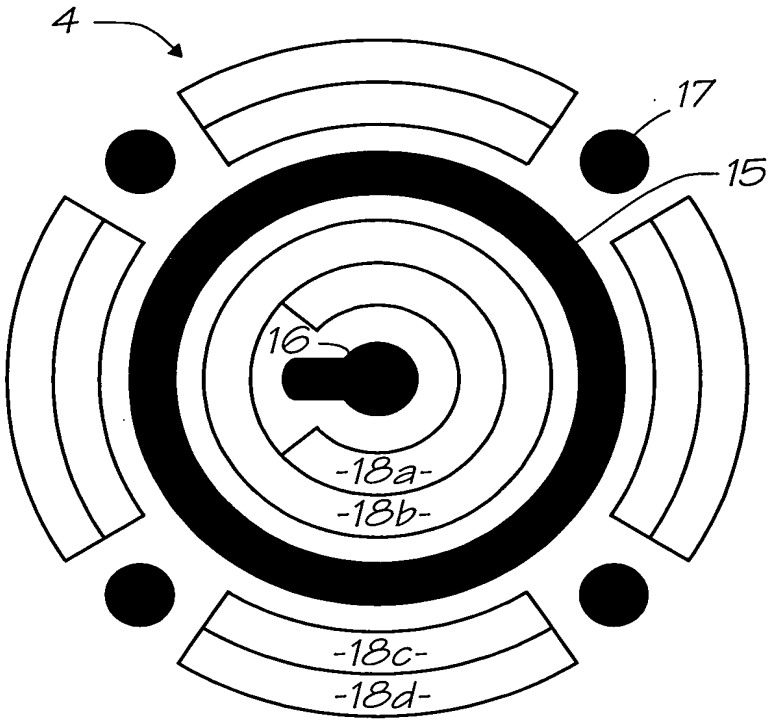


FIG. 5

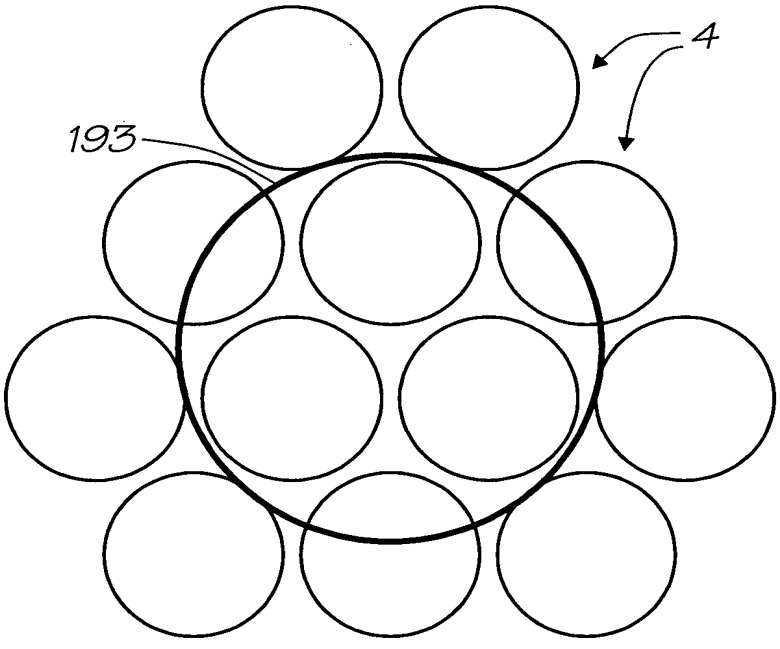


FIG. 6

05610035 - 063000

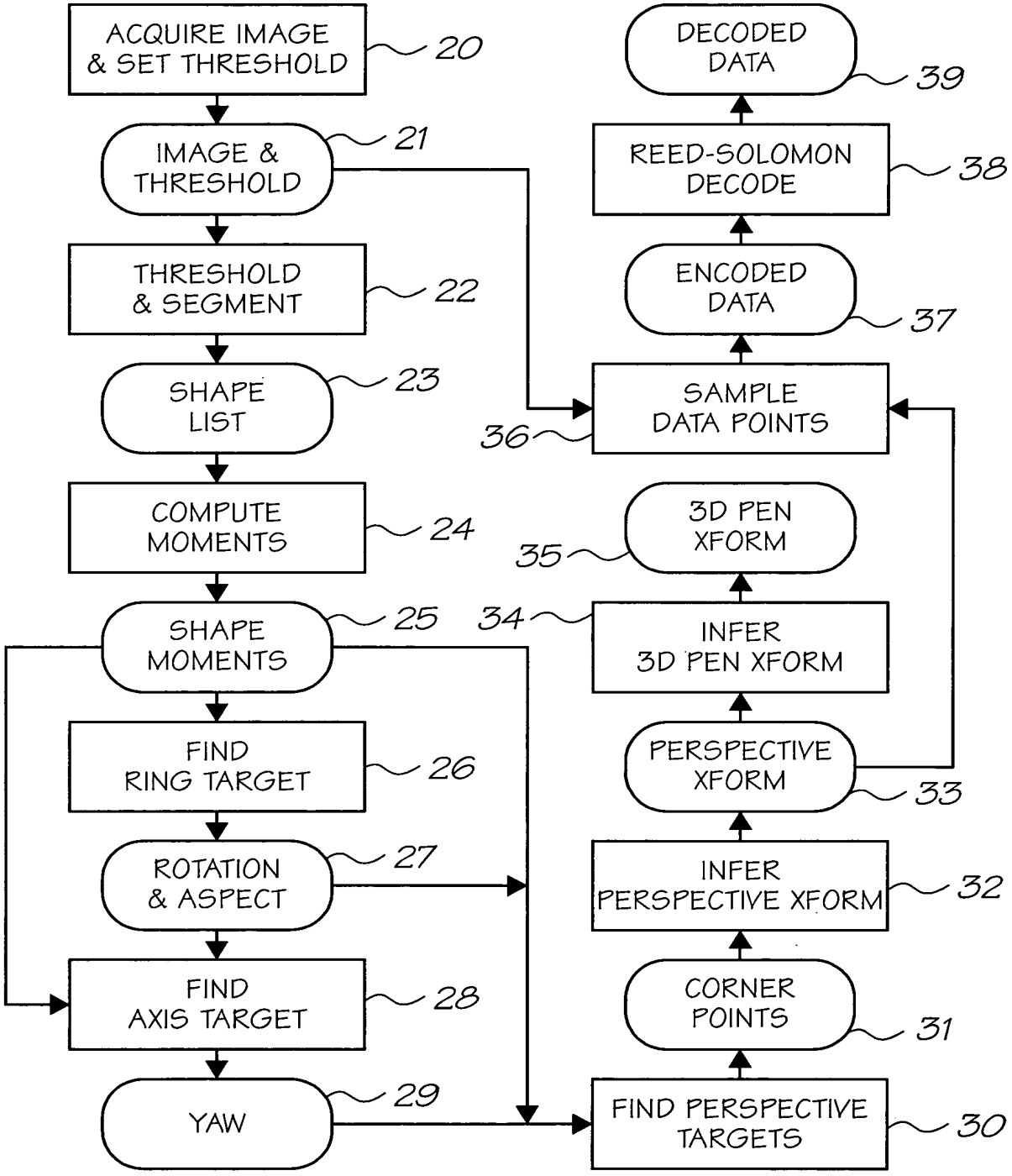


FIG. 7

05400595 .063000

0960050 - 060300

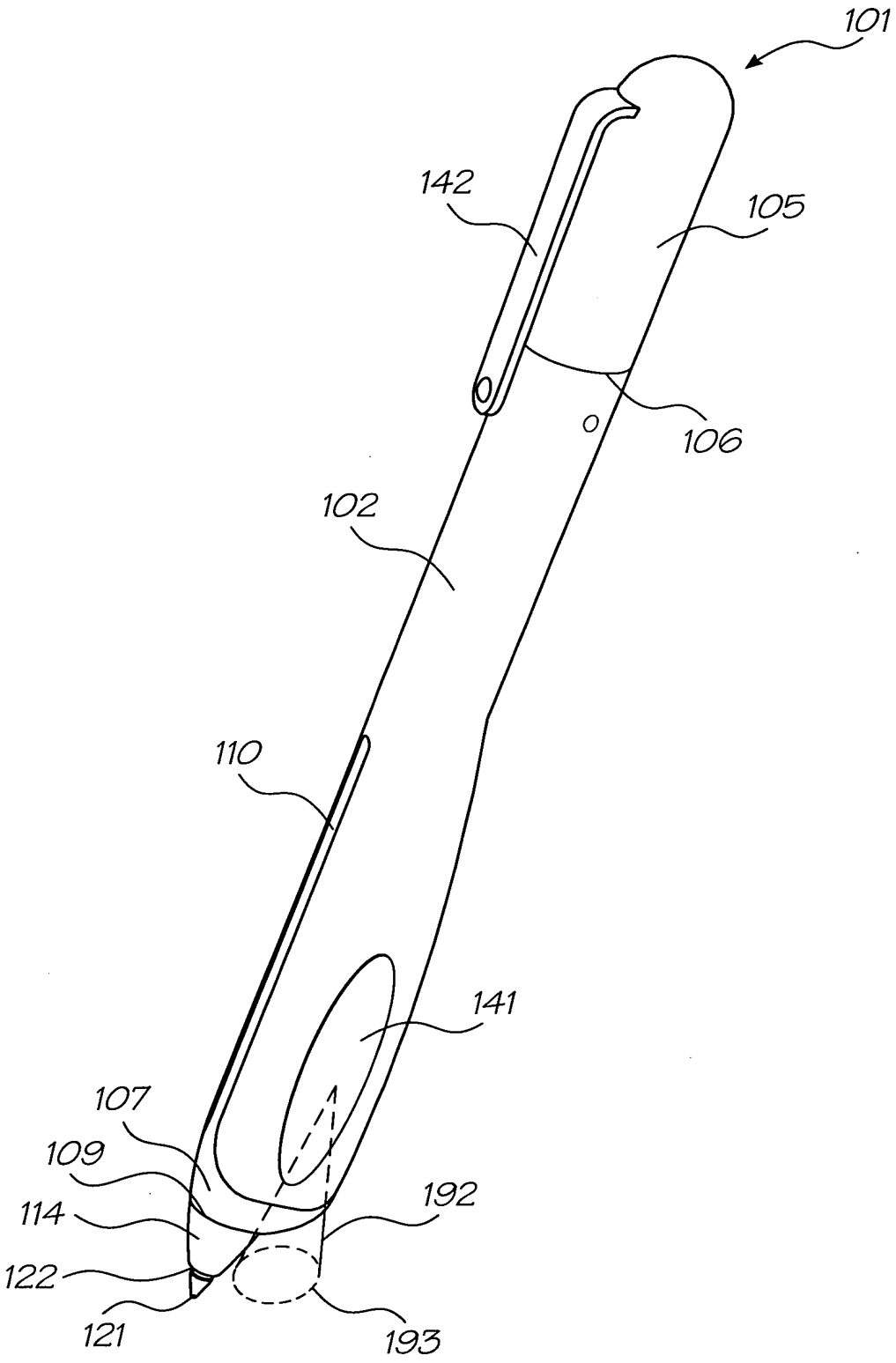


FIG. 8

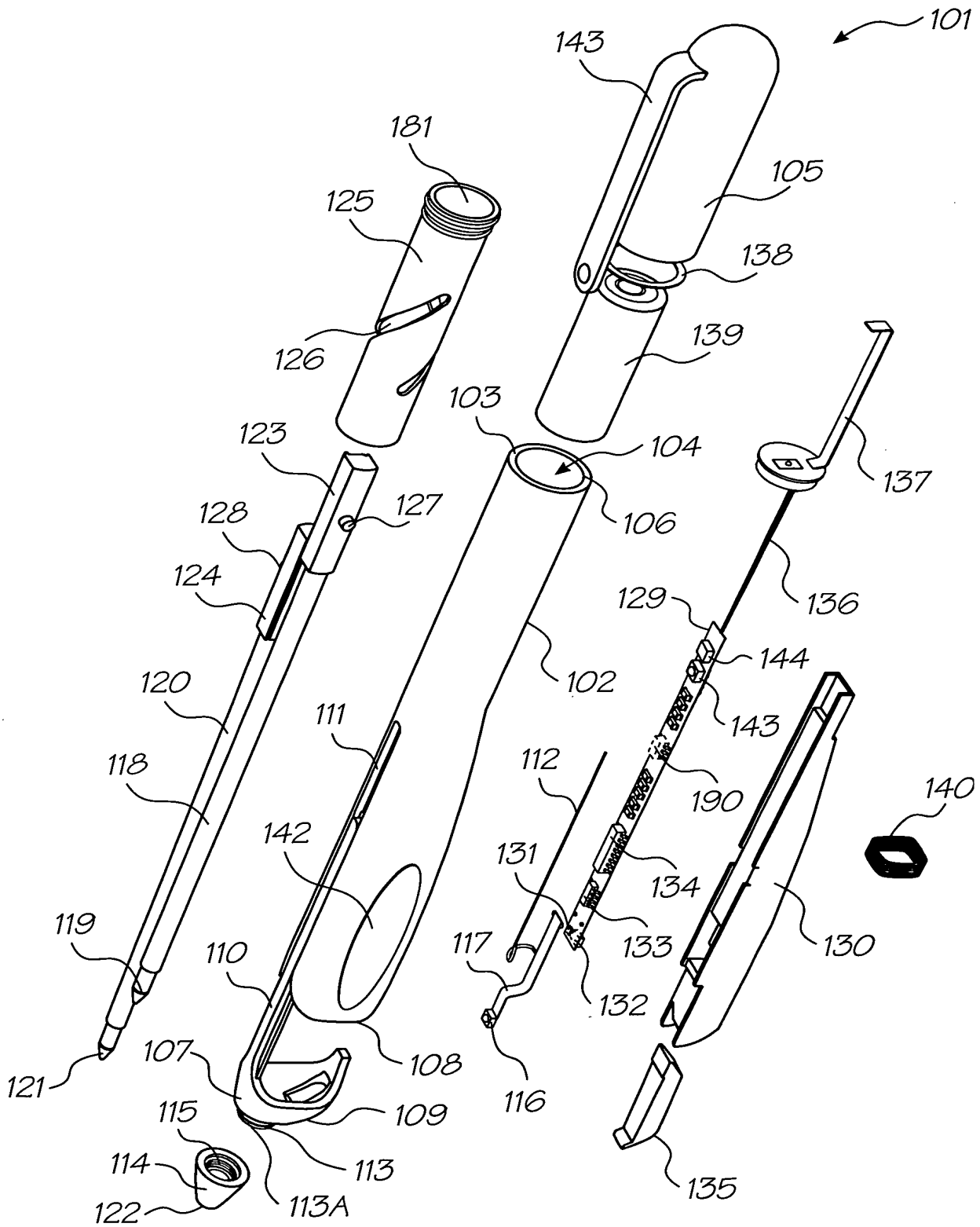

101
143
181
105
125
138
126
139
103
104
123
137
106
128
127
124
129
136
102
144
120
111
143
118
112
190
140
142
131
134
119
117
133
130
110
132
107
108
116
109
115
135
113
114
113A
122

FIG. 9

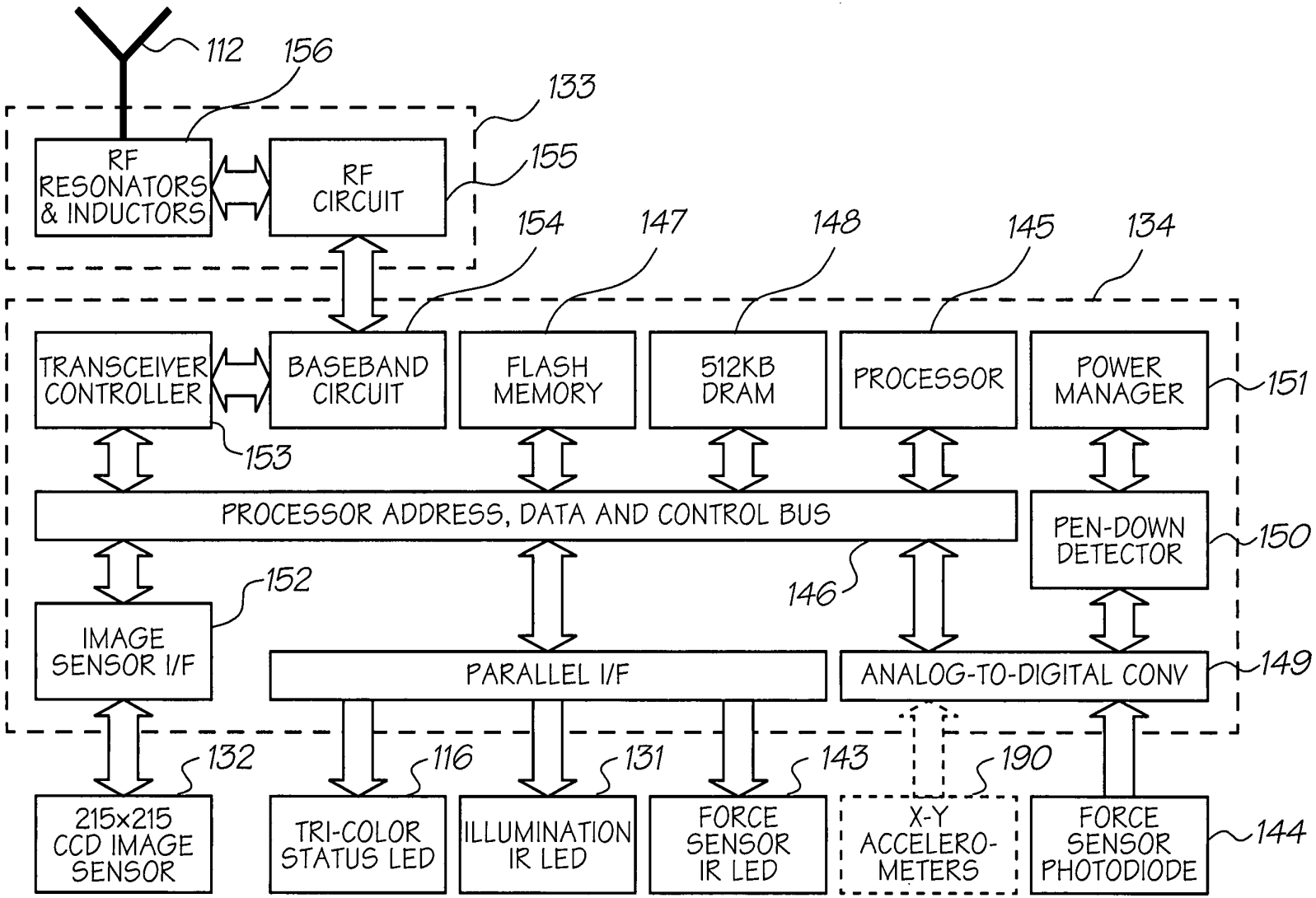

112
156
133
RF RESONATORS & INDUCTORS
RF CIRCUIT
155
154
147
148
145
134
TRANSCEIVER CONTROLLER
BASEBAND CIRCUIT
FLASH MEMORY
512KB DRAM
PROCESSOR
POWER MANAGER
151
153
PROCESSOR ADDRESS, DATA AND CONTROL BUS
PEN-DOWN DETECTOR
150
146
152
IMAGE SENSOR I/F
PARALLEL I/F
ANALOG-TO-DIGITAL CONV
149
132
116
131
143
190
215x215 CCD IMAGE SENSOR
TRI-COLOR STATUS LED
ILLUMINATION IR LED
FORCE SENSOR IR LED
X-Y ACCELERO-METERS
FORCE SENSOR PHOTODIODE
144

FIG. 10

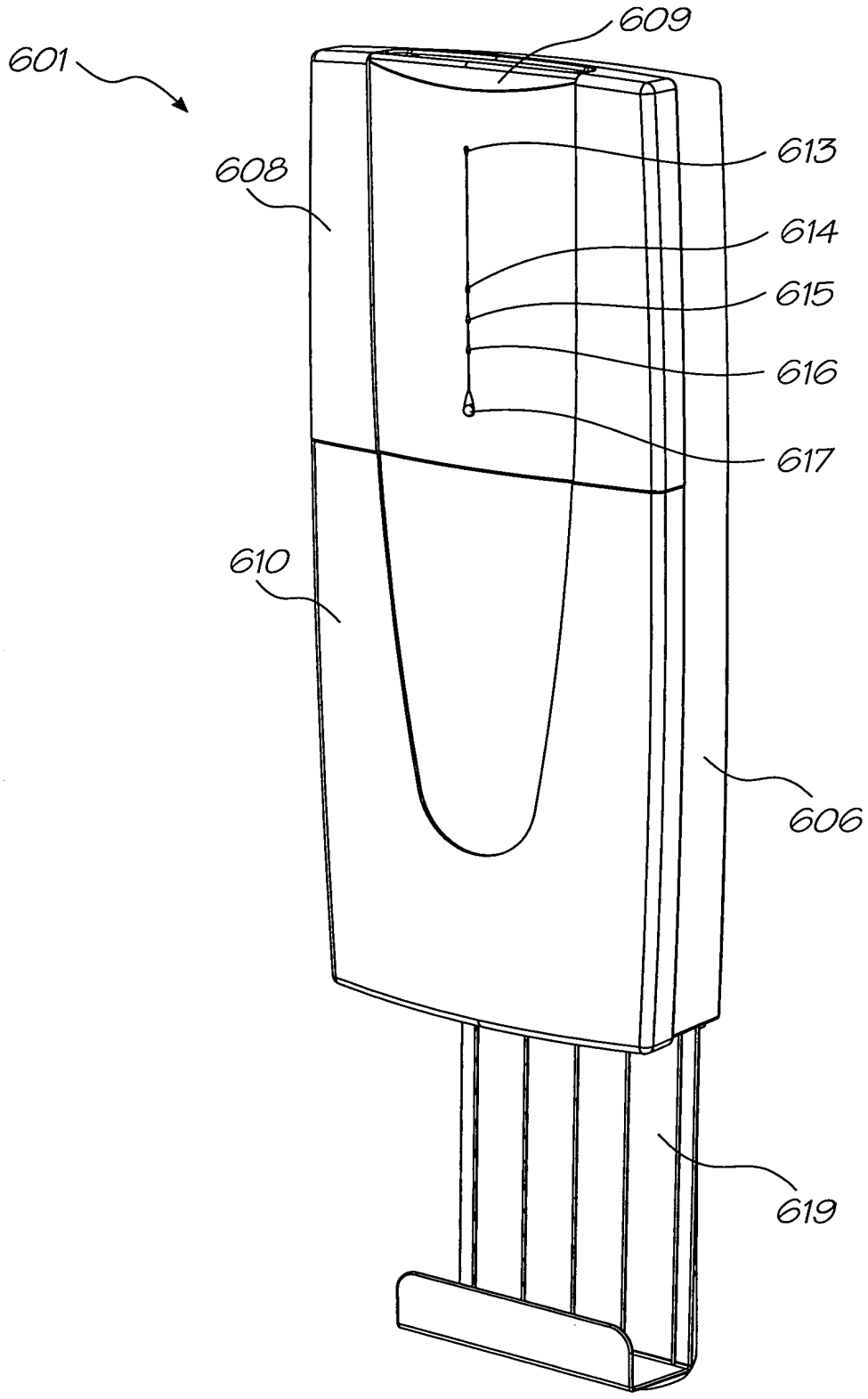


FIG. 11

09600695 - 063000

09630095 - 063000

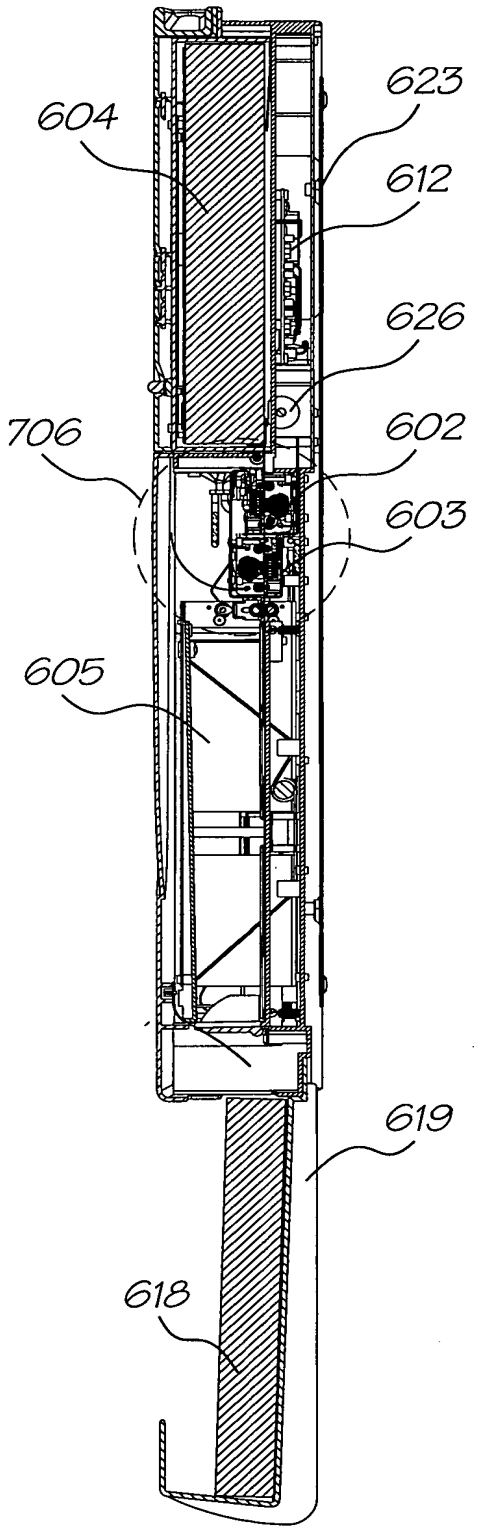


FIG. 12

09630035 - 063000

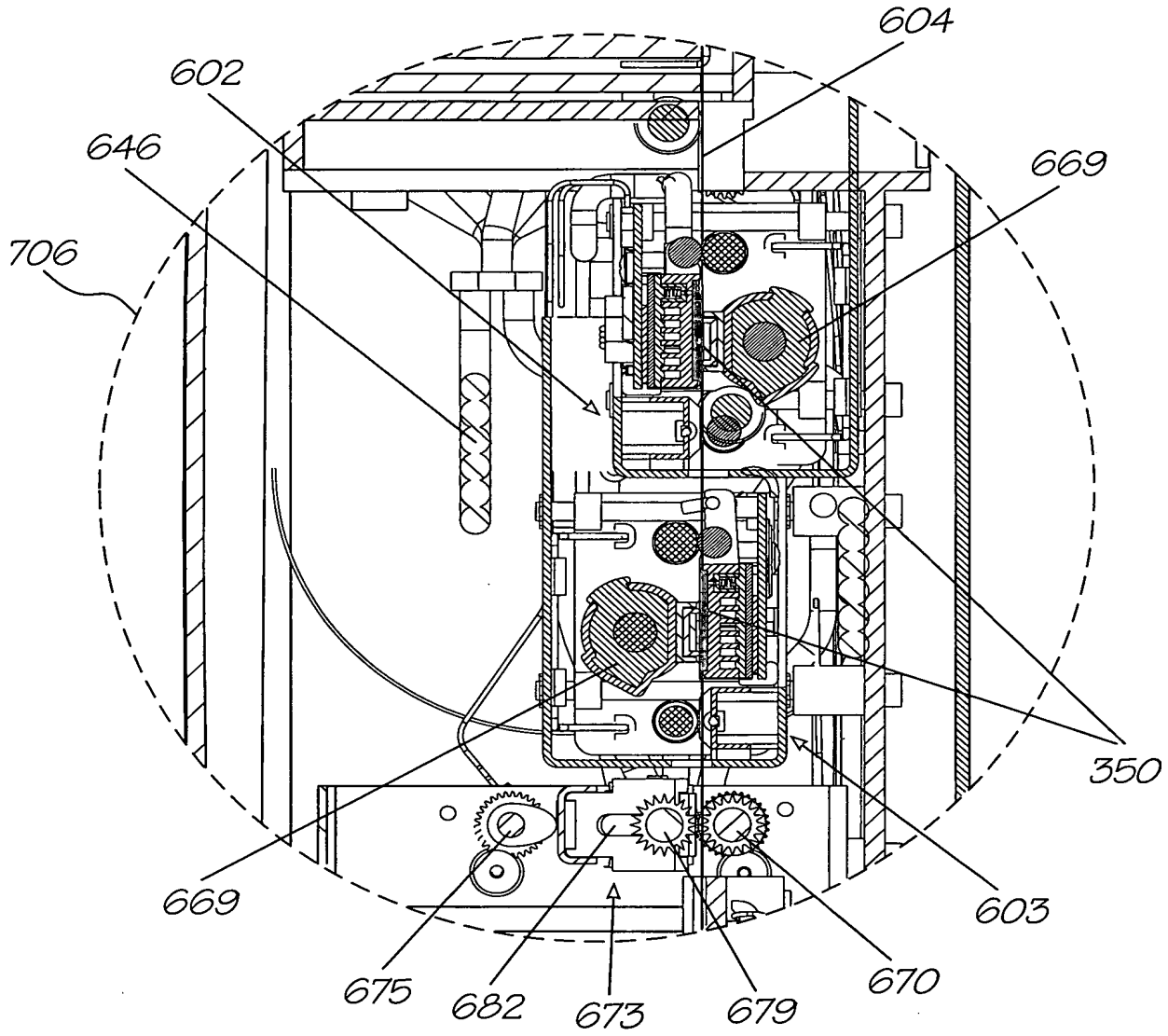


FIG. 12a

09610095 - 063000

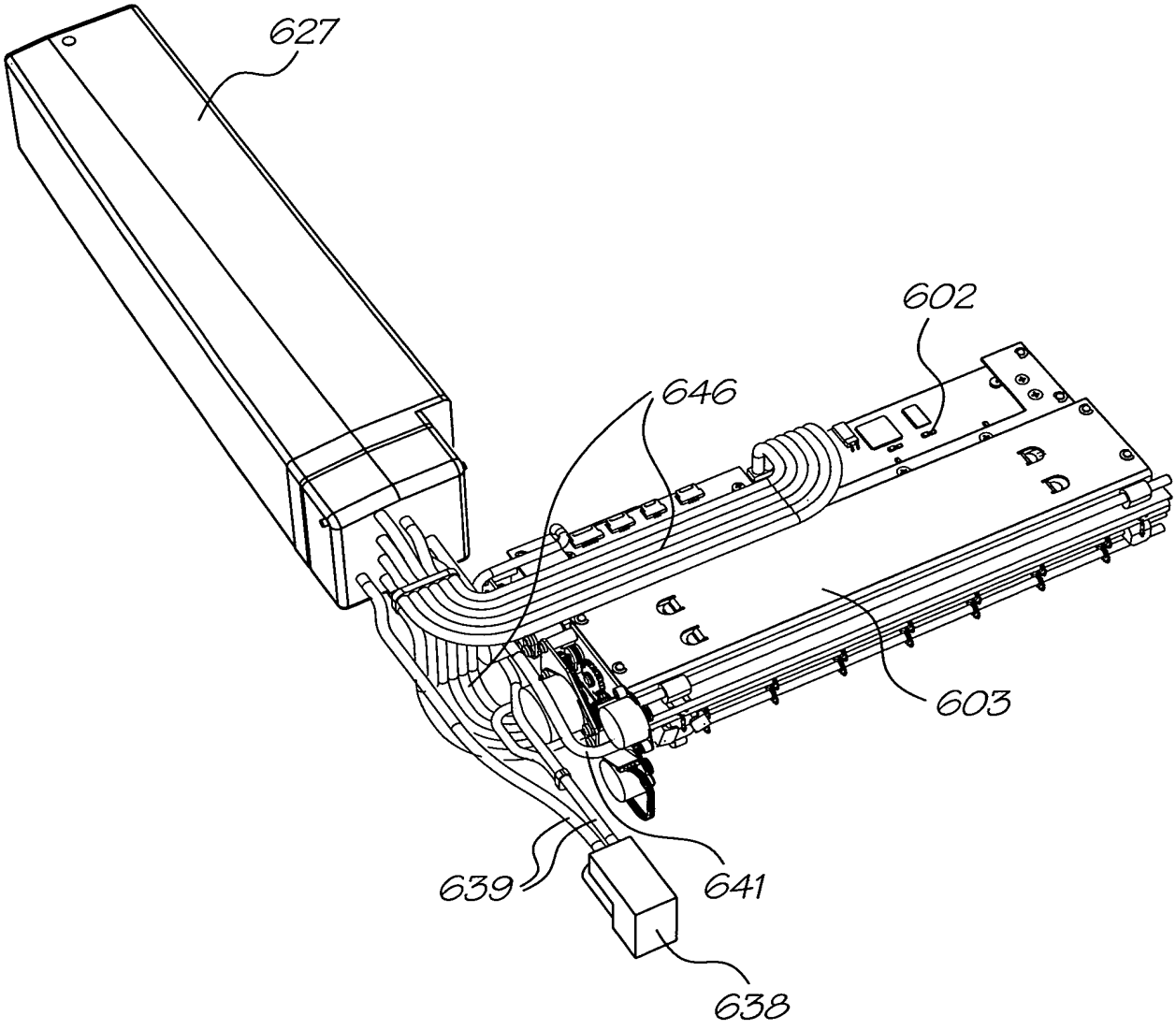


FIG. 13

000590" 5600T960

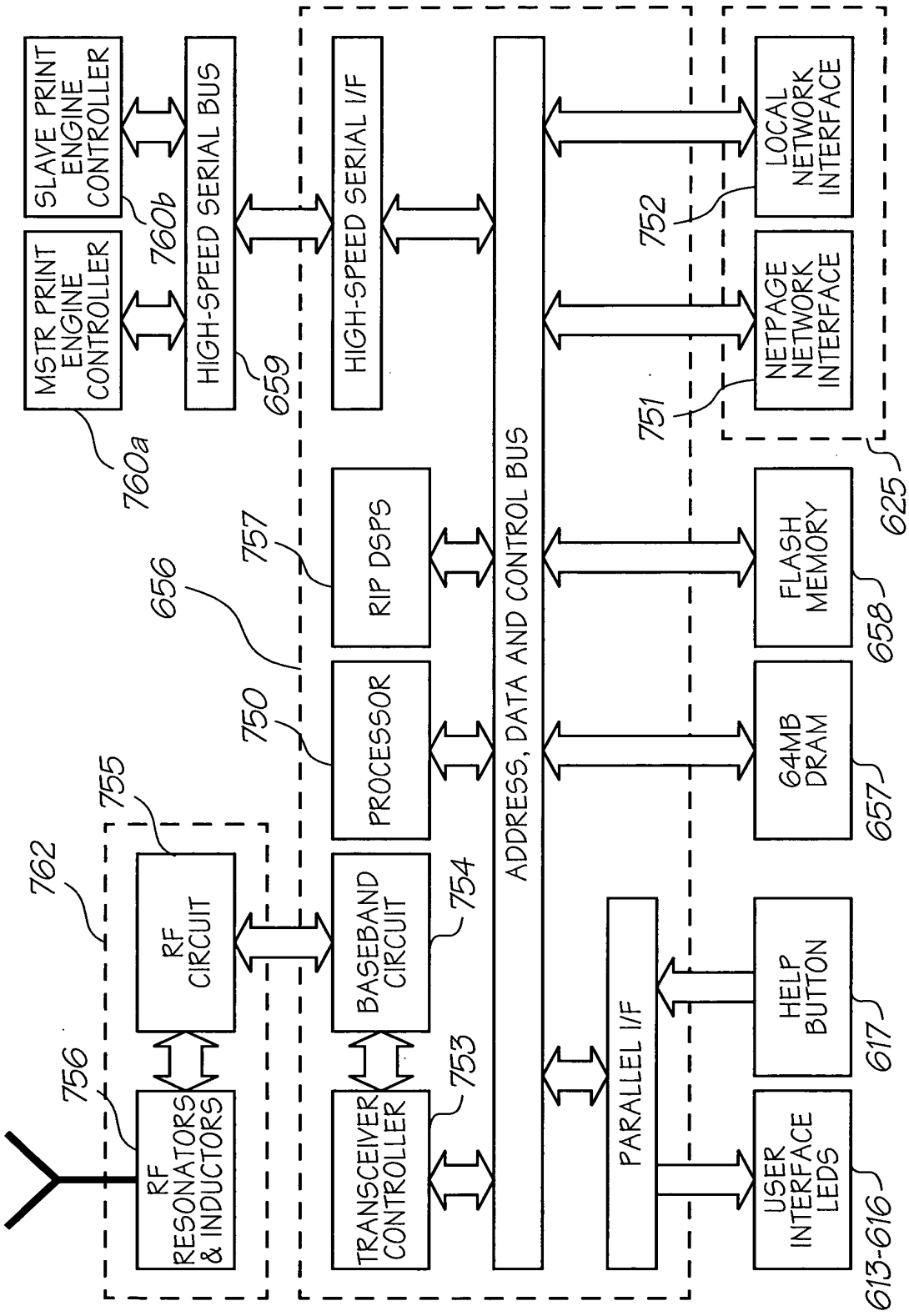


FIG. 14

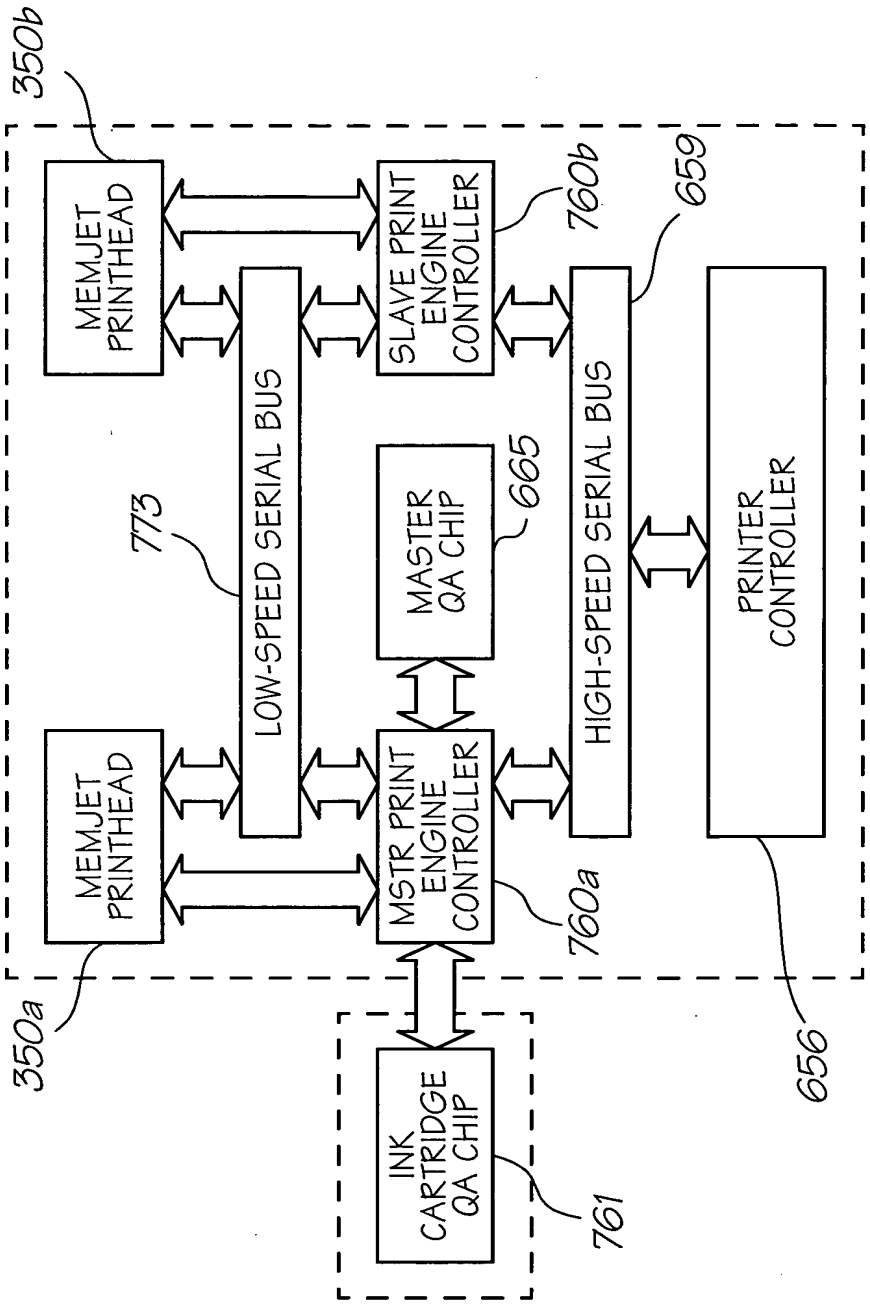

350b
MEMJET PRINTHEAD
SLAVE PRINT ENGINE CONTROLLER
760b
659
773
LOW-SPEED SERIAL BUS
MASTER QA CHIP
665
HIGH-SPEED SERIAL BUS
PRINTER CONTROLLER
MEMJET PRINTHEAD
MSTR PRINT ENGINE CONTROLLER
760a
350a
656
INK CARTRIDGE QA CHIP
761

FIG. 15

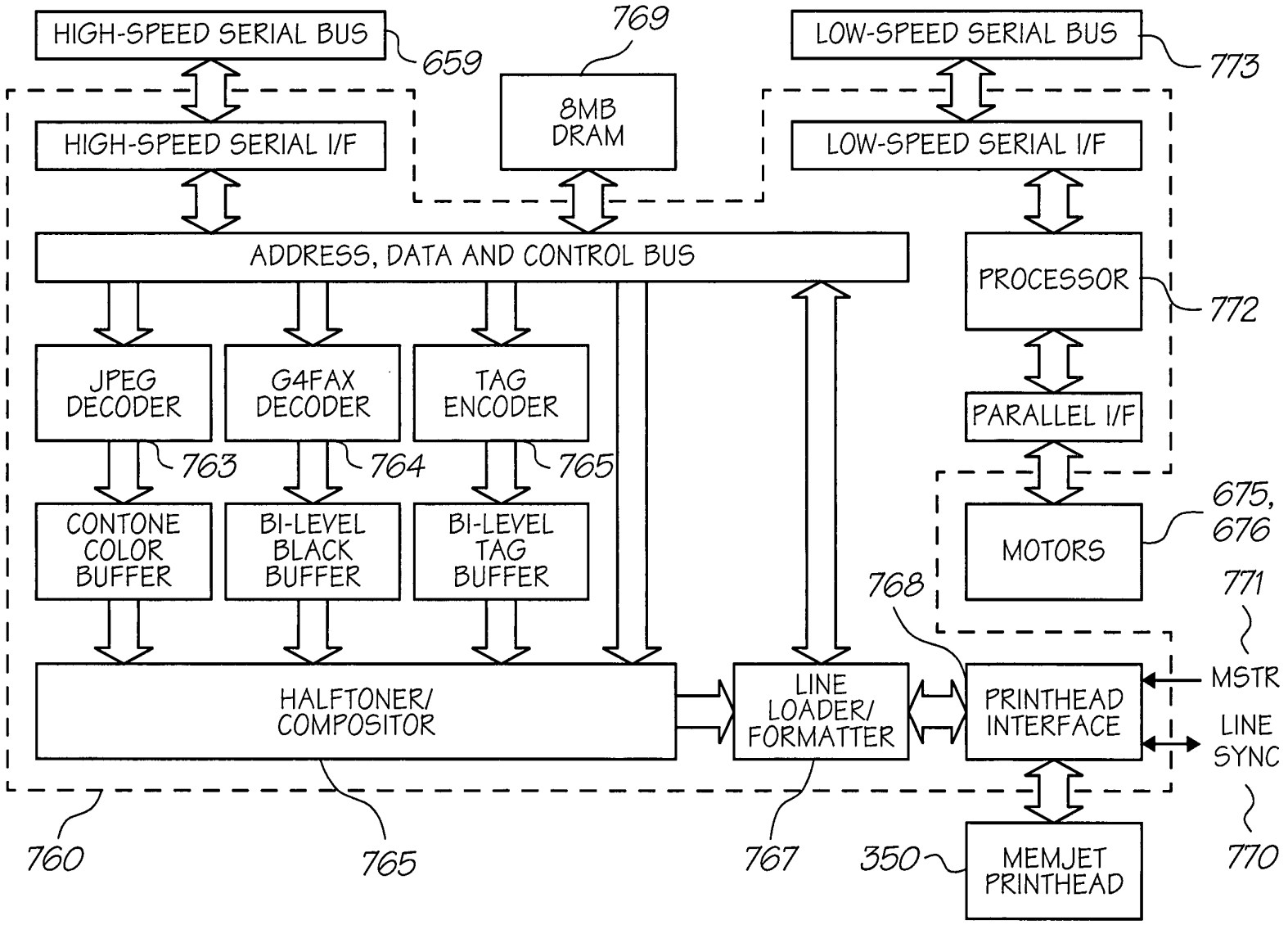

HIGH-SPEED SERIAL BUS
659
769
LOW-SPEED SERIAL BUS
773
HIGH-SPEED SERIAL I/F
8MB DRAM
LOW-SPEED SERIAL I/F
ADDRESS, DATA AND CONTROL BUS
PROCESSOR
772
JPEG DECODER
G4FAX DECODER
TAG ENCODER
PARALLEL I/F
763
764
765
675, 676
CONTONE COLOR BUFFER
BI-LEVEL BLACK BUFFER
BI-LEVEL TAG BUFFER
MOTORS
768
771
HALFTONER/ COMPOSITOR
LINE LOADER/ FORMATTER
PRINTHEAD INTERFACE
MSTR
LINE SYNC
760
765
767
350
MEMJET PRINTHEAD
770

FIG. 16

PCT/US2005/006950

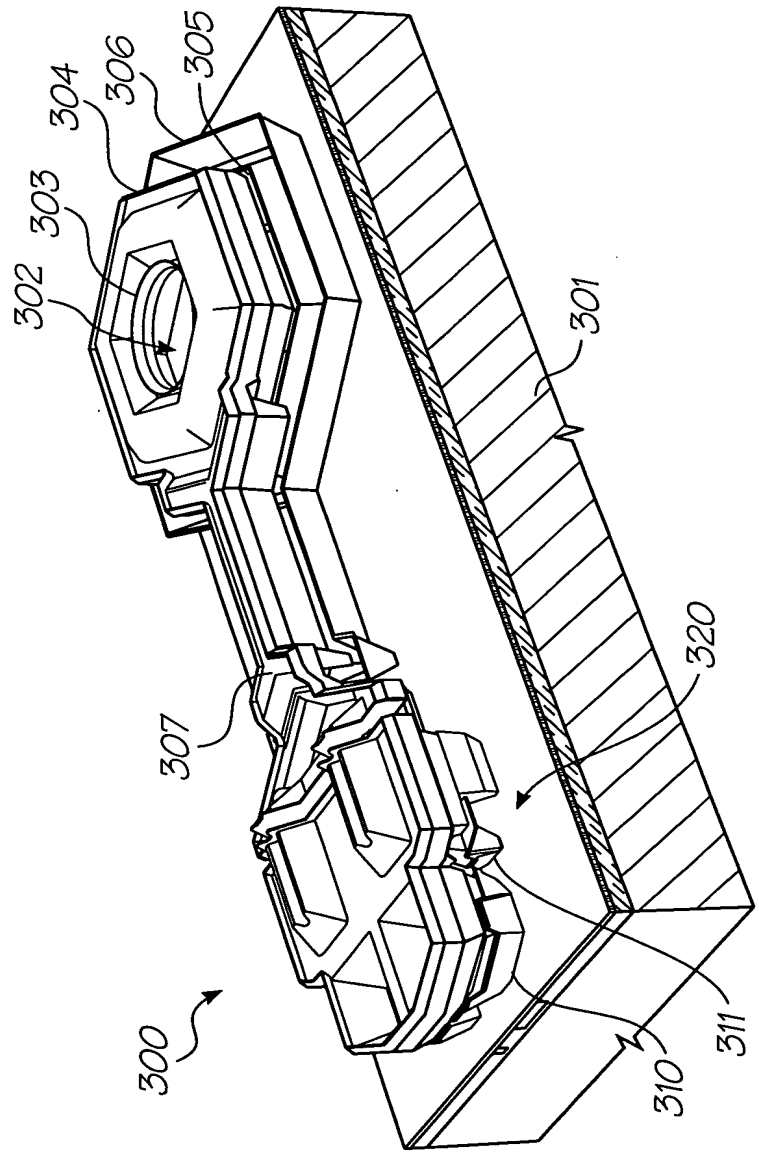


FIG. 17

09610095 - 062000

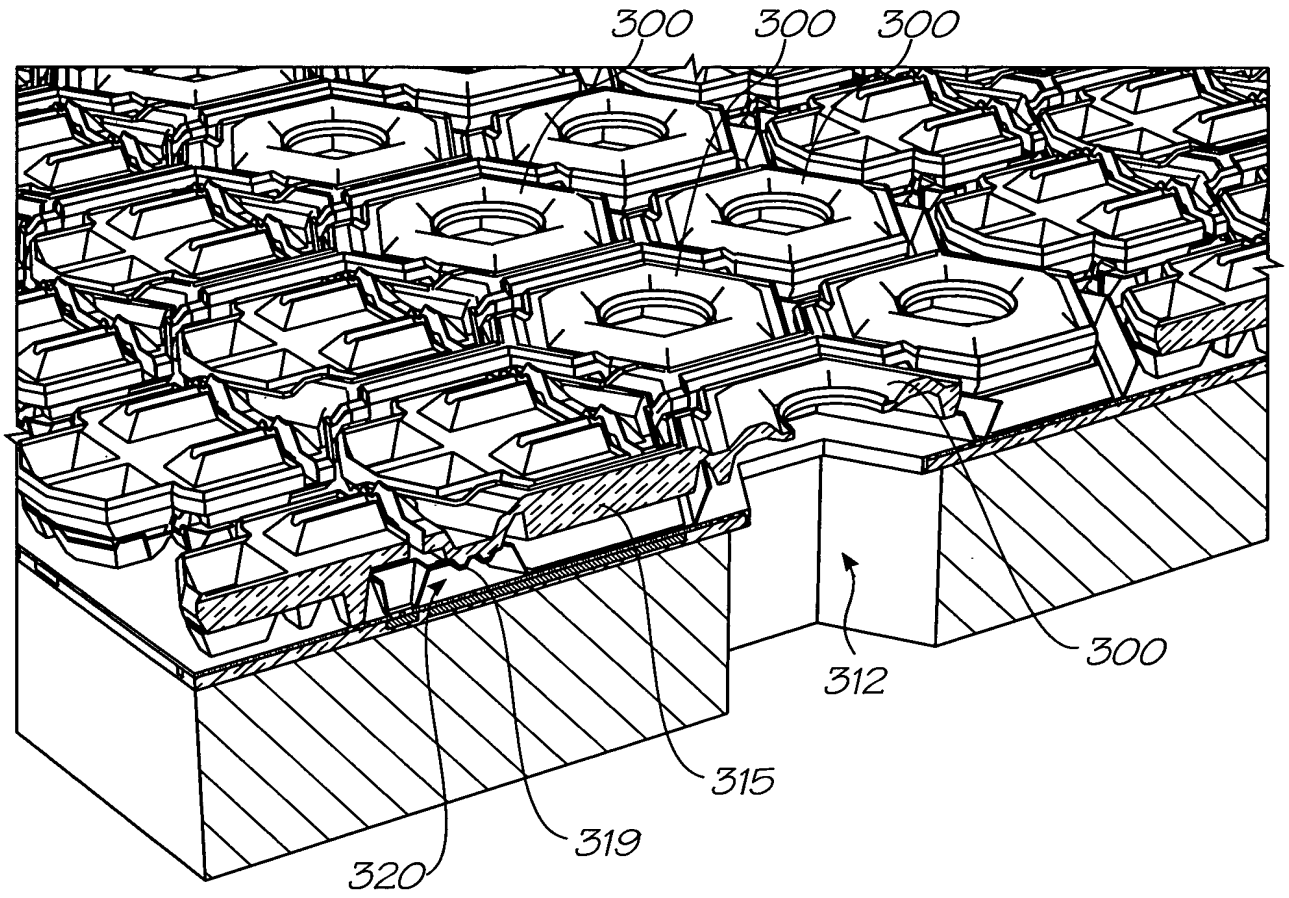


FIG. 18

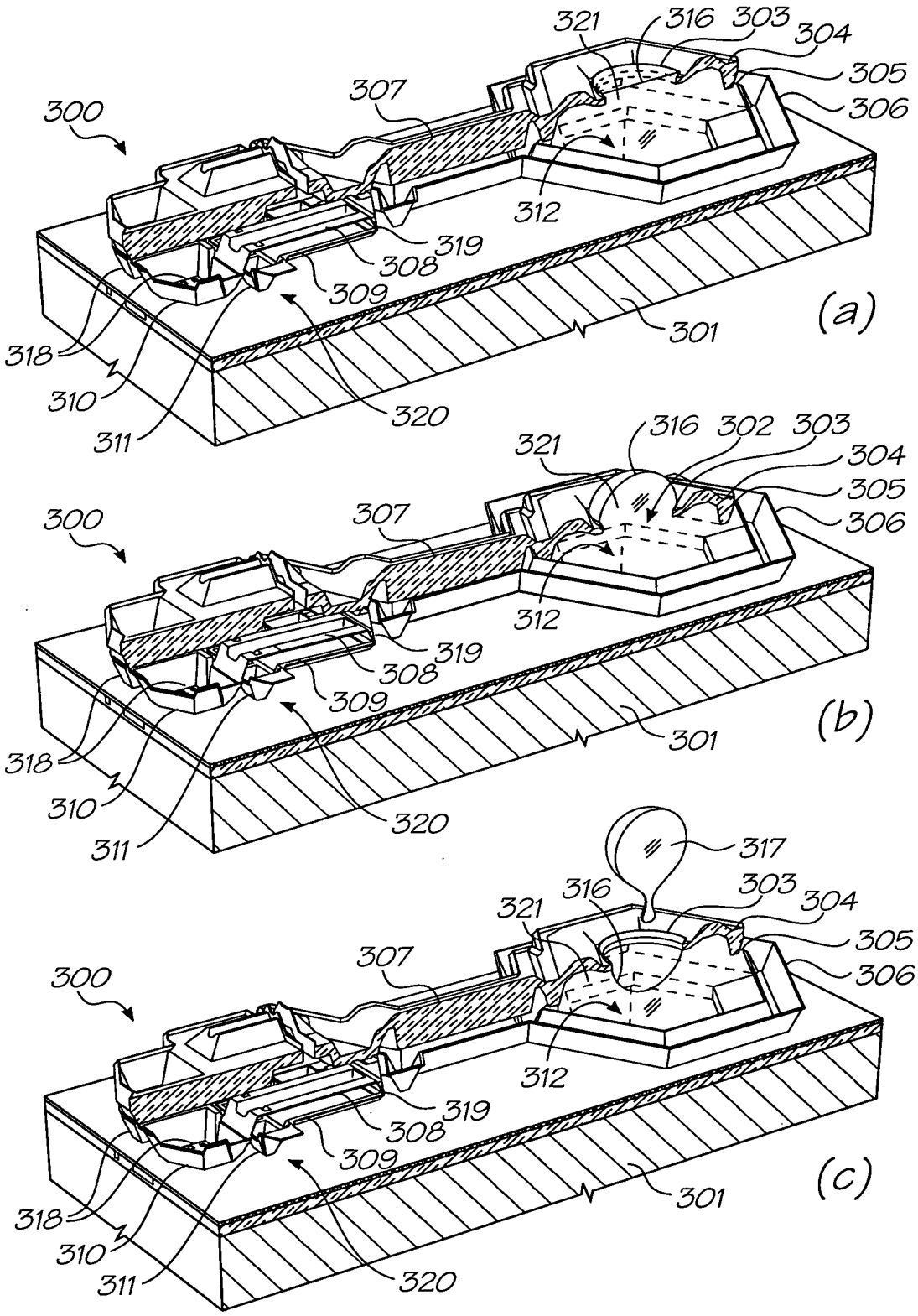


FIG. 19

09610095 - 063000

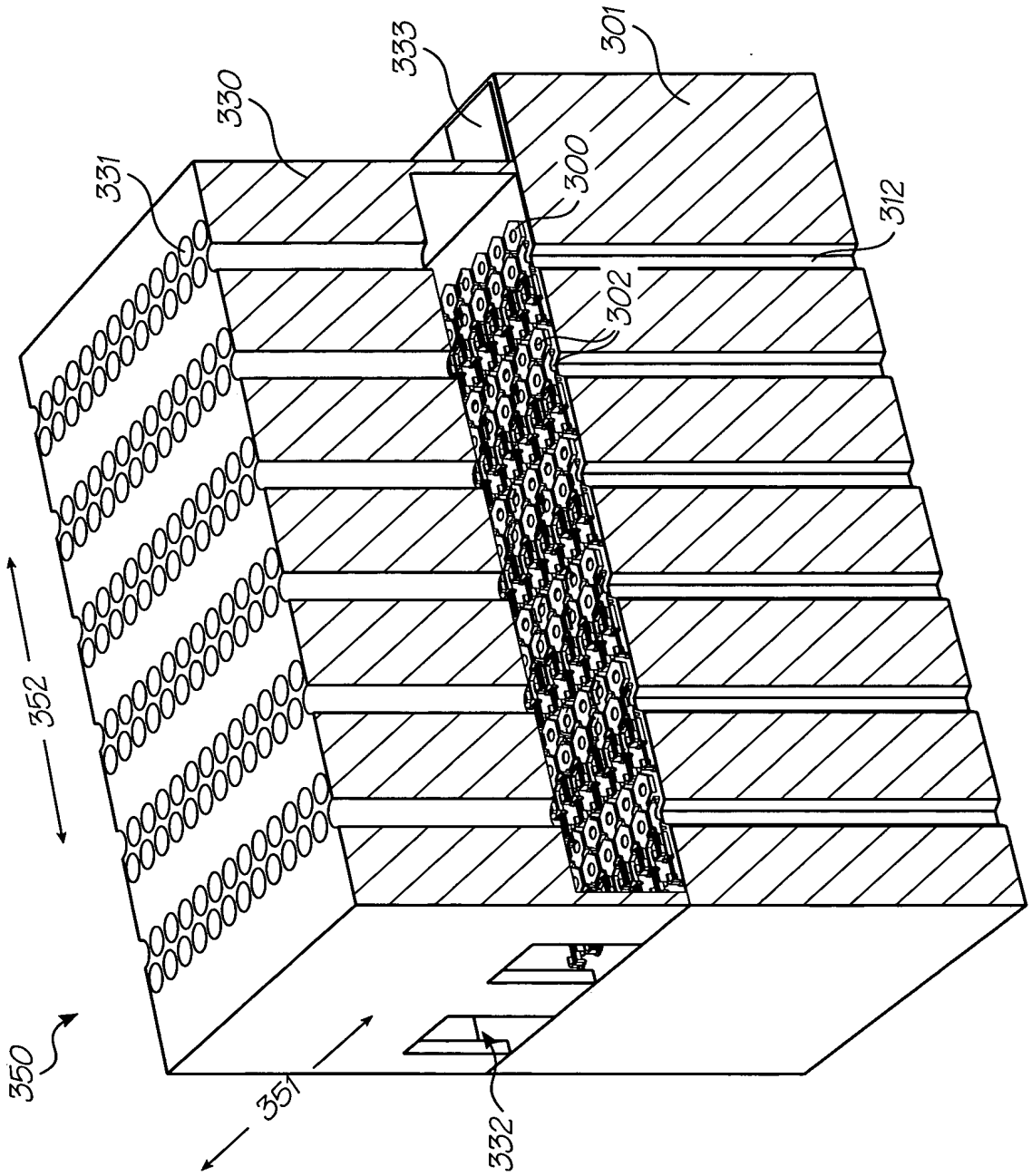


FIG. 20

WO 2009/059360 PCT/US2008/082450

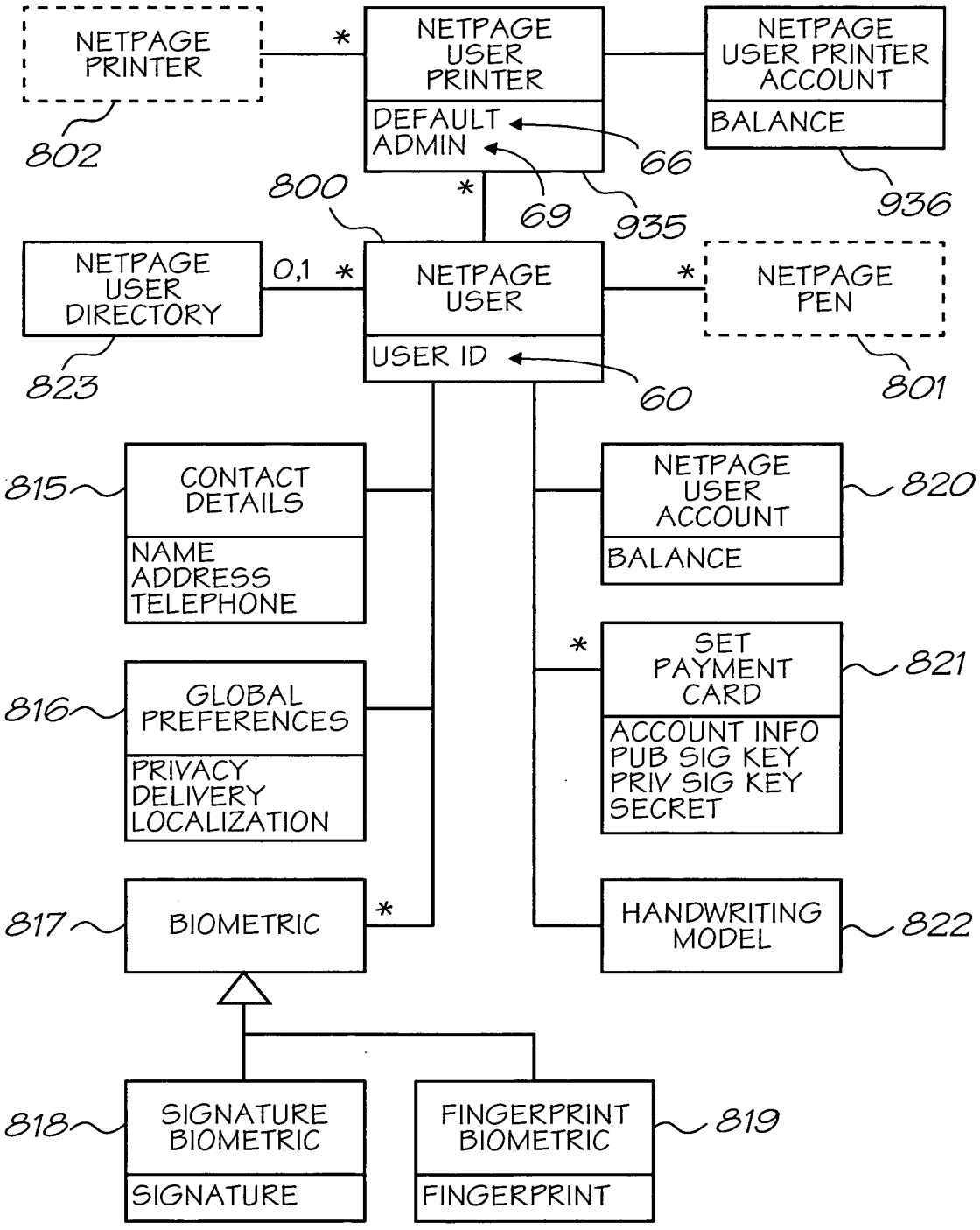


FIG. 21

09610055 - 060300

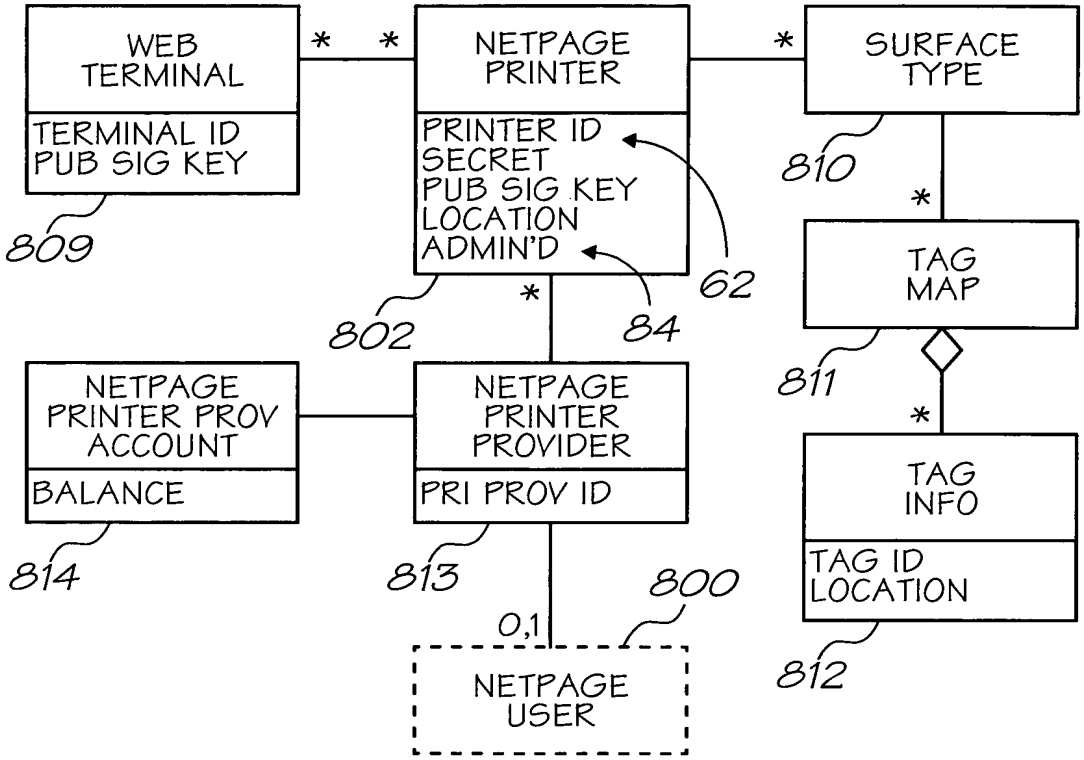


FIG. 22

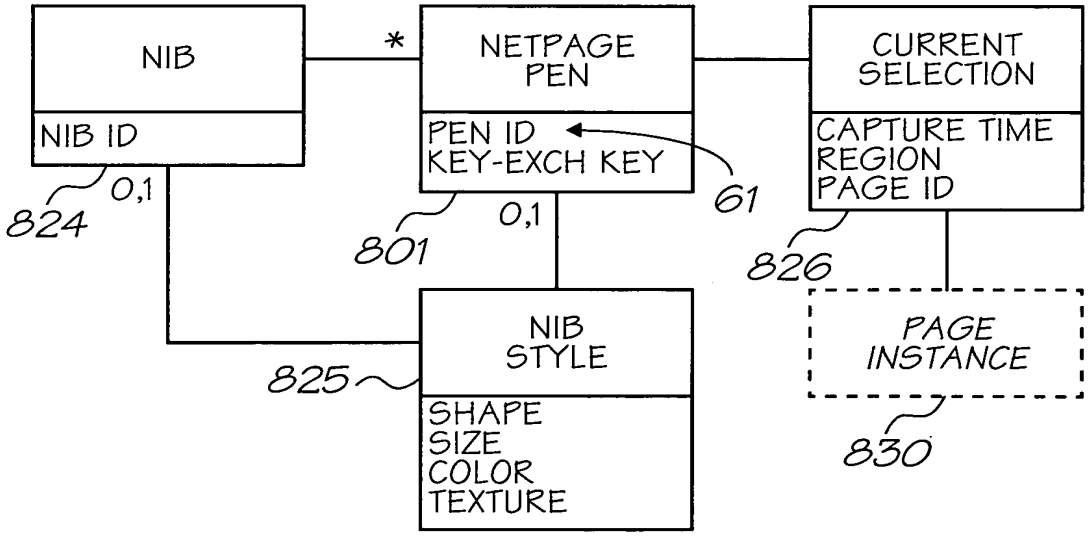


FIG. 23

09610095 .060300

09610095 - 050300

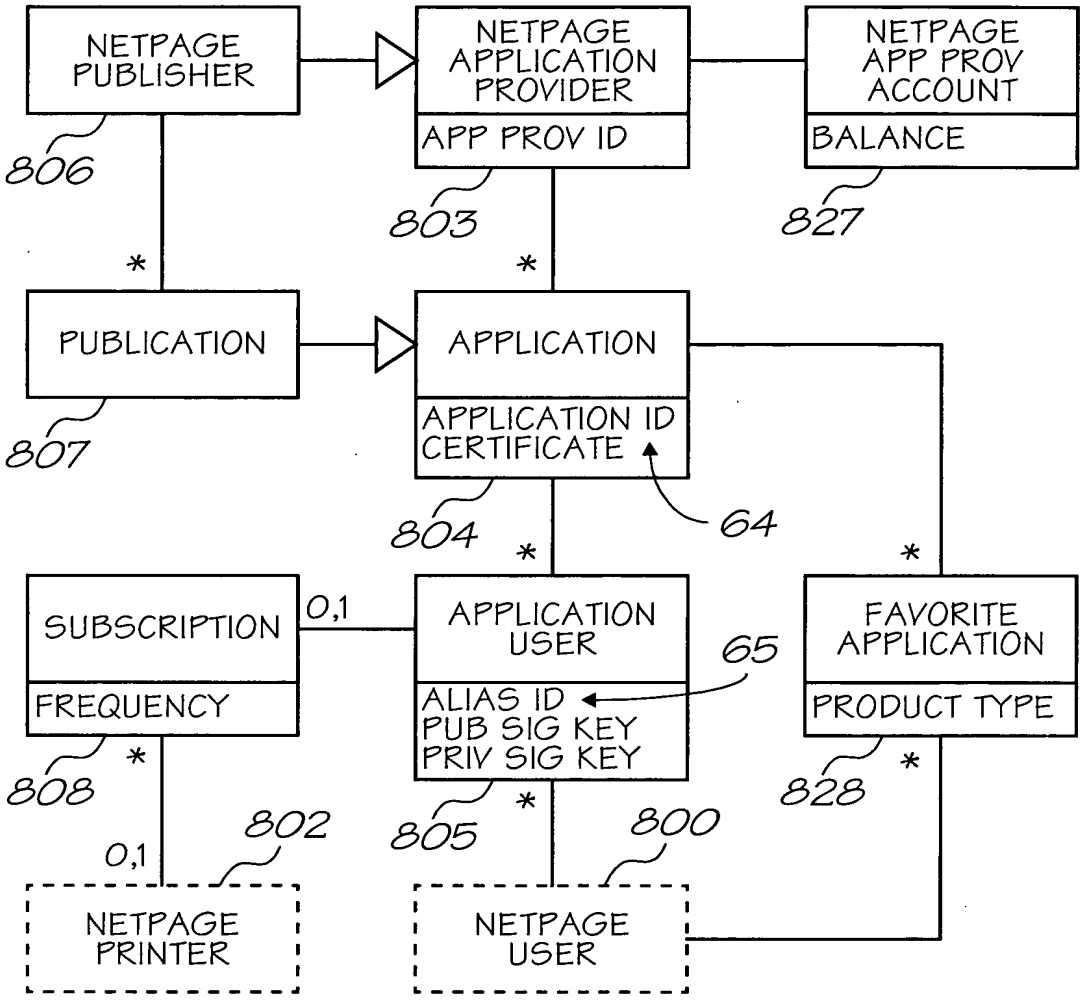


FIG. 24

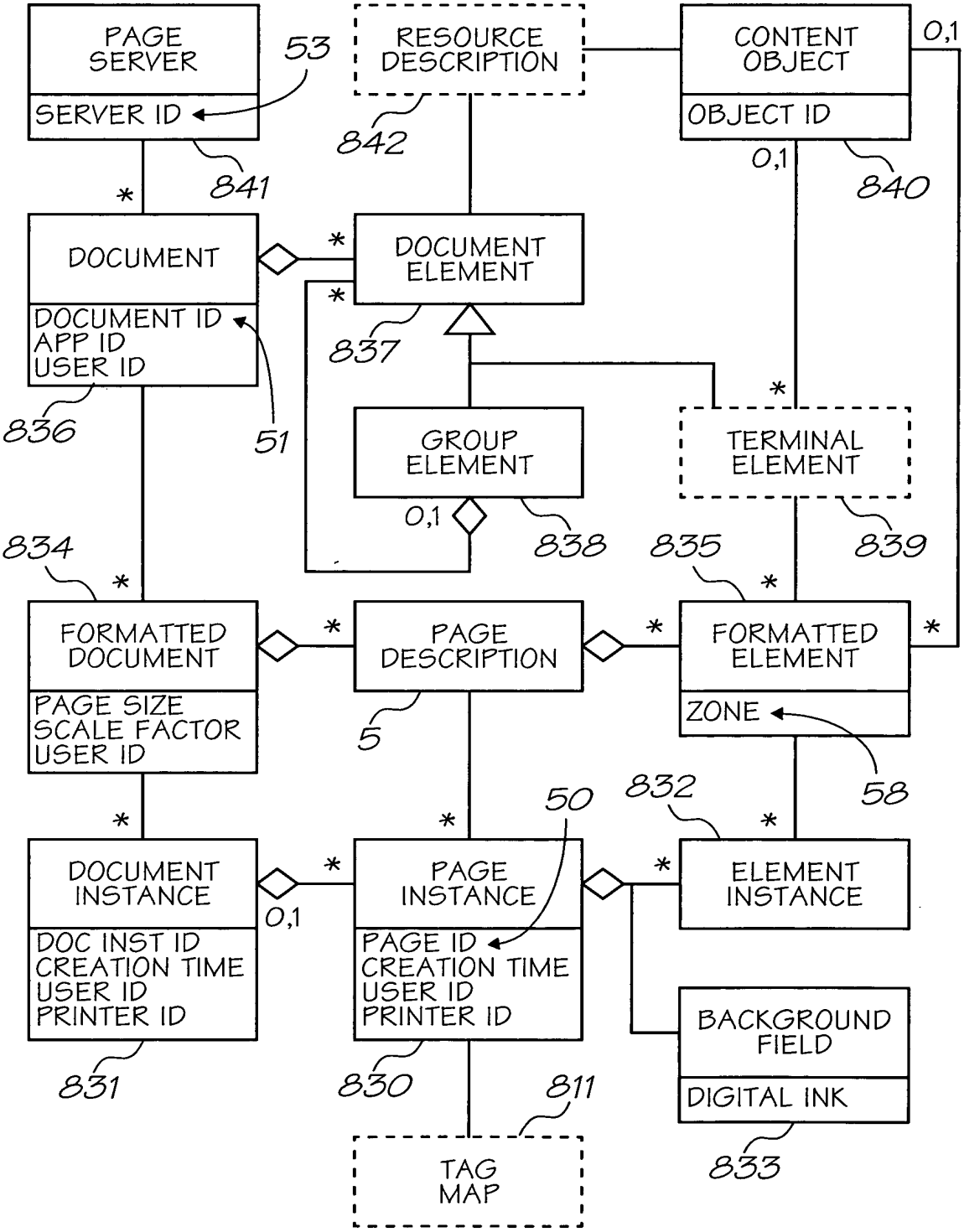


FIG. 25

0074095-000500

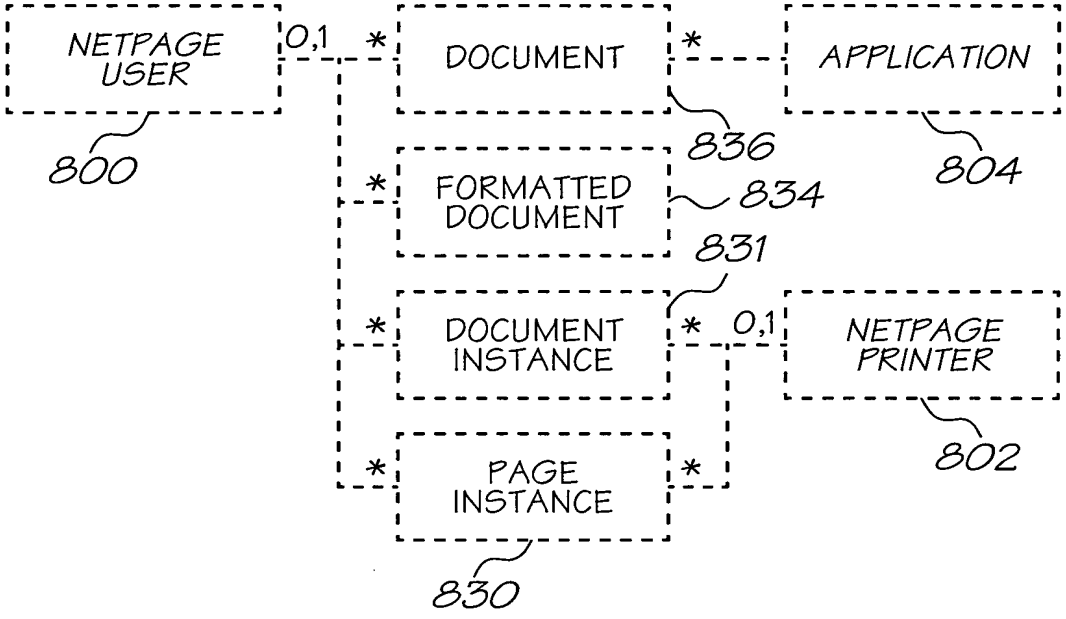


FIG. 26

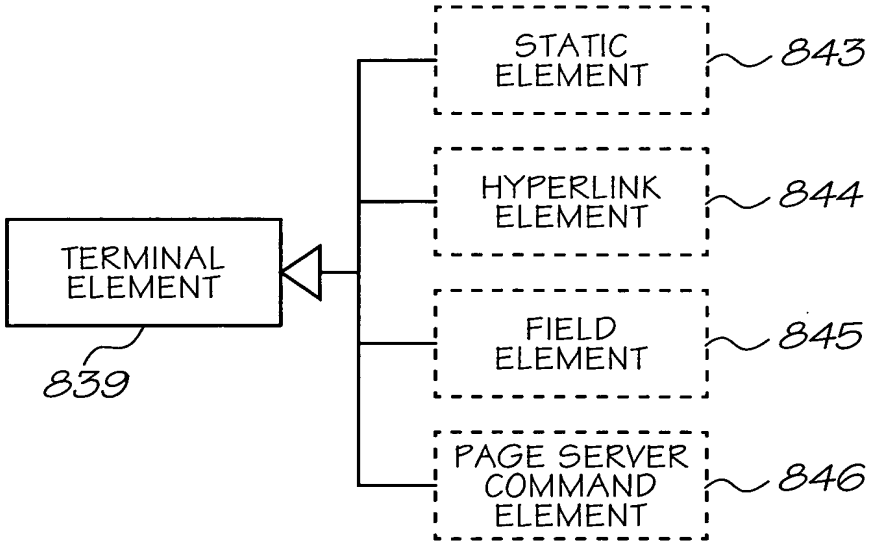


FIG. 27

PCT/AU96/00095 - 06 30 00

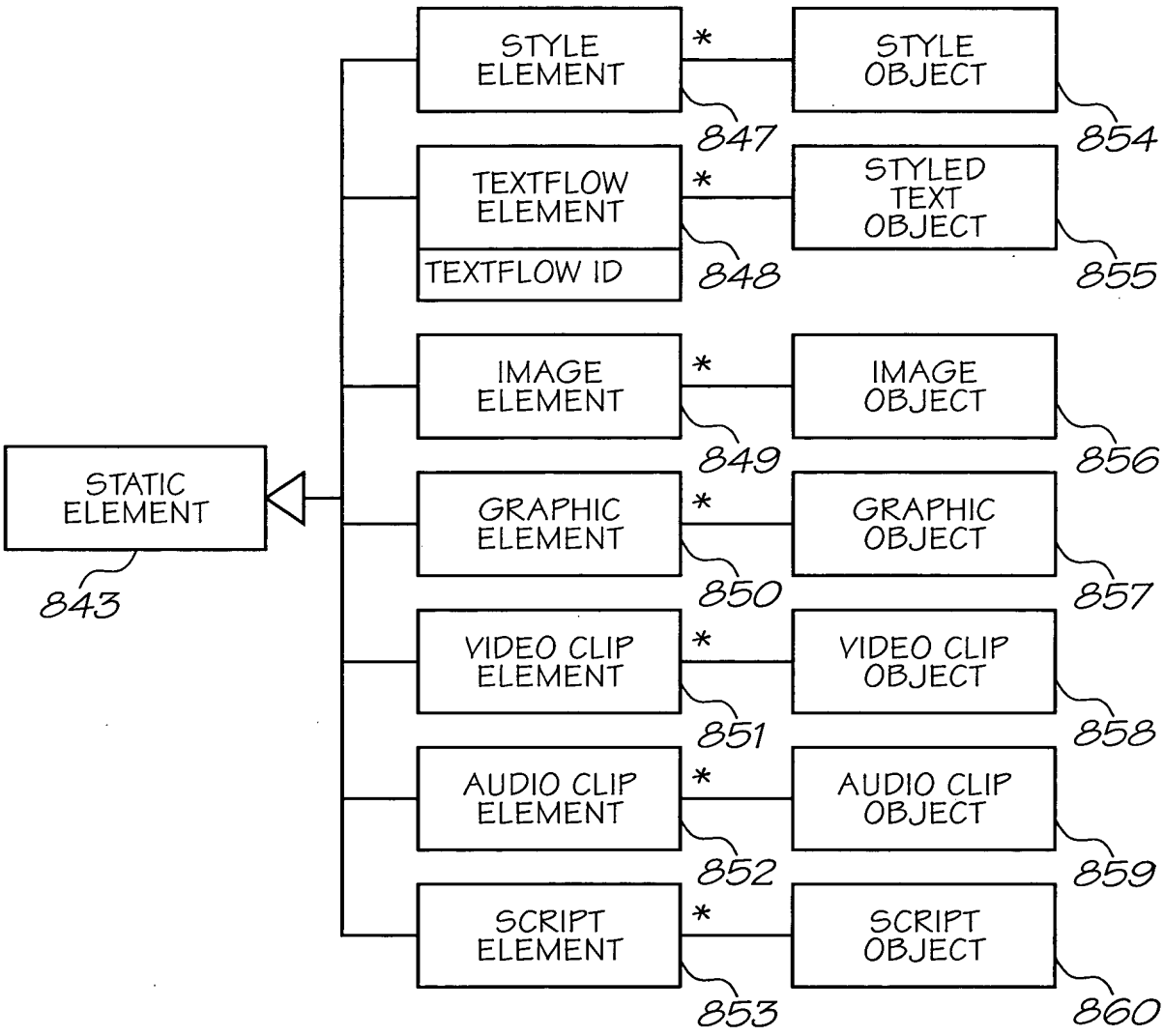


FIG. 28

09700995 - 063000

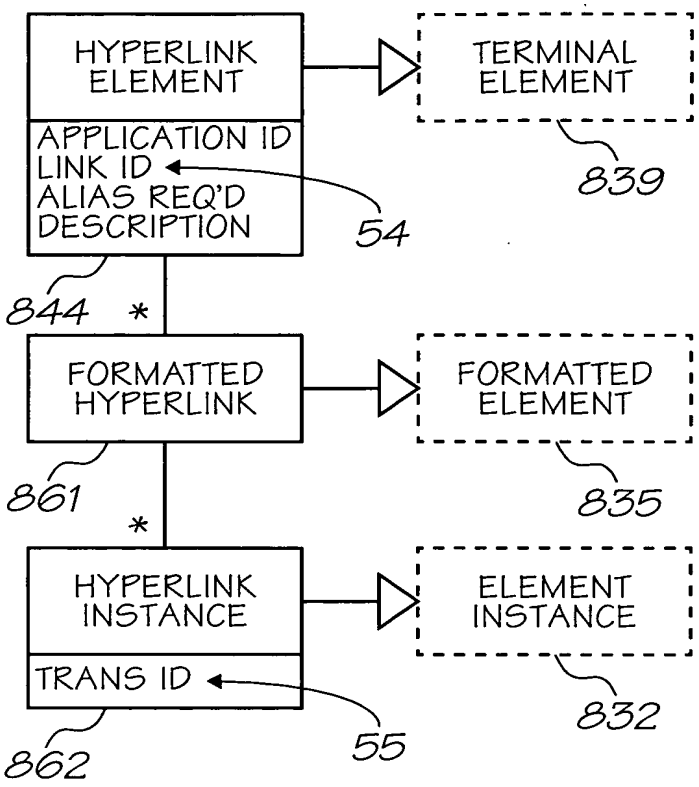


FIG. 29

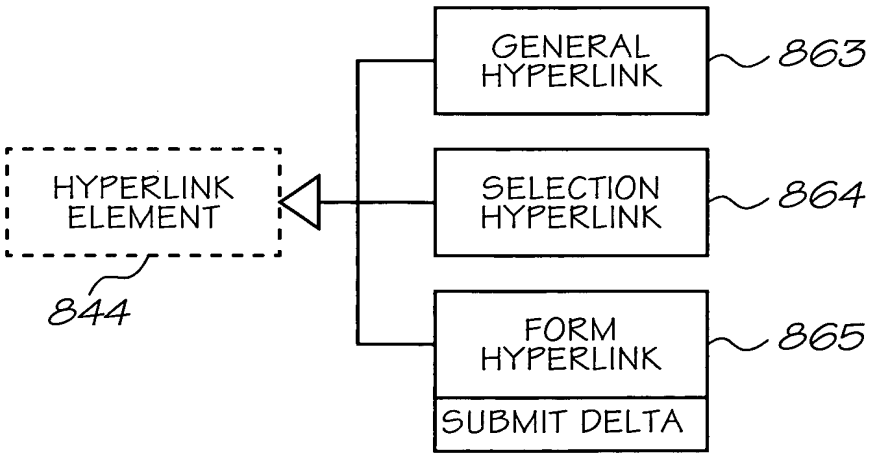


FIG. 30

09600595 - 050300

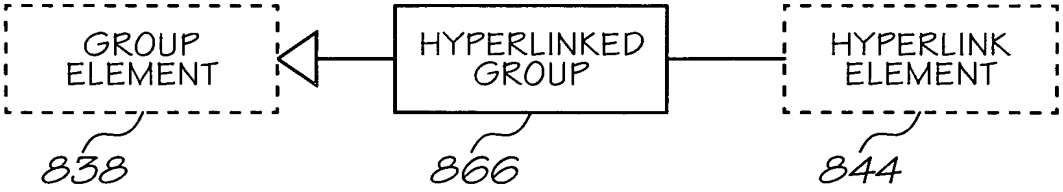


FIG. 31

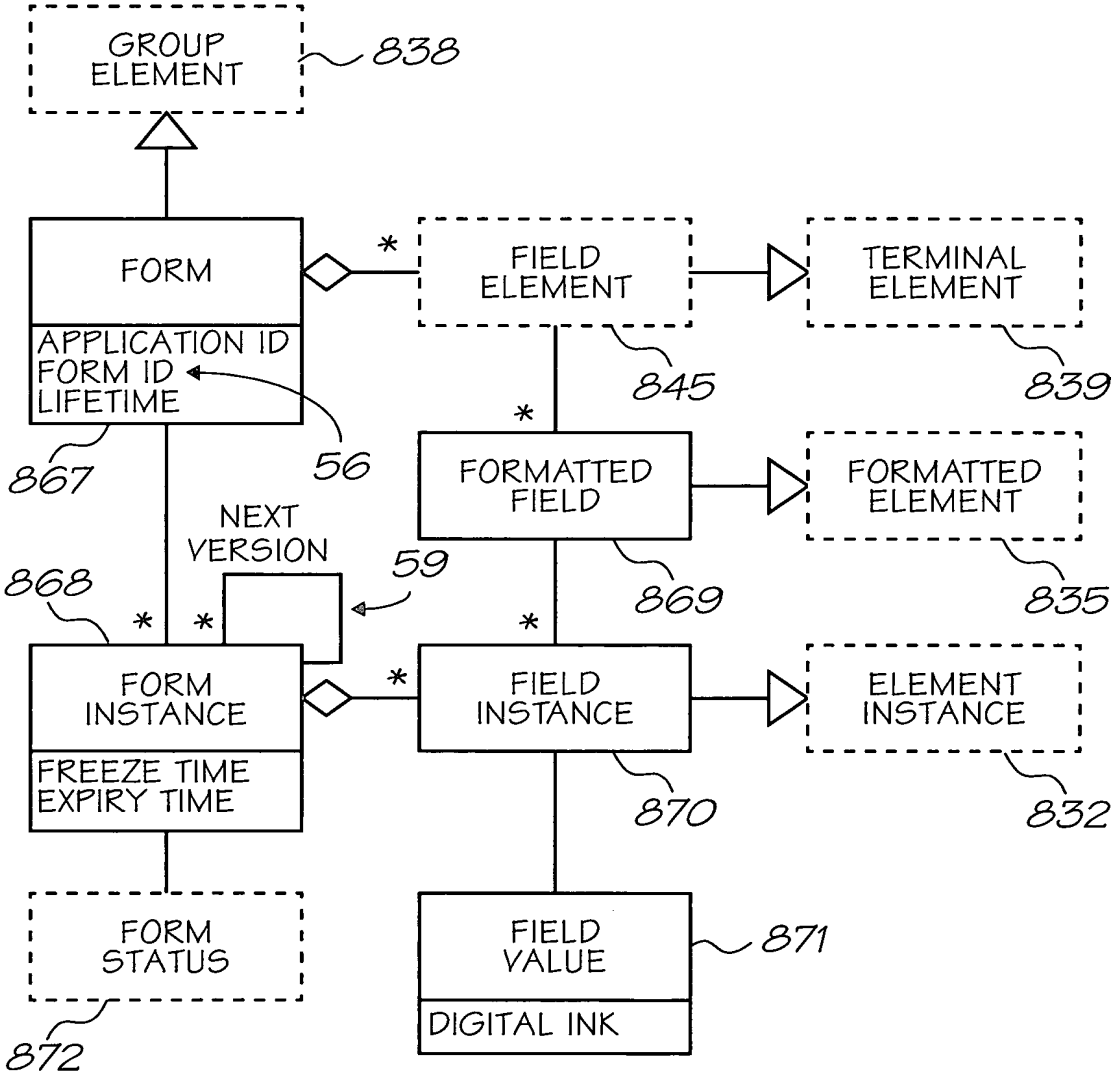


FIG. 32

09600905 - 063000

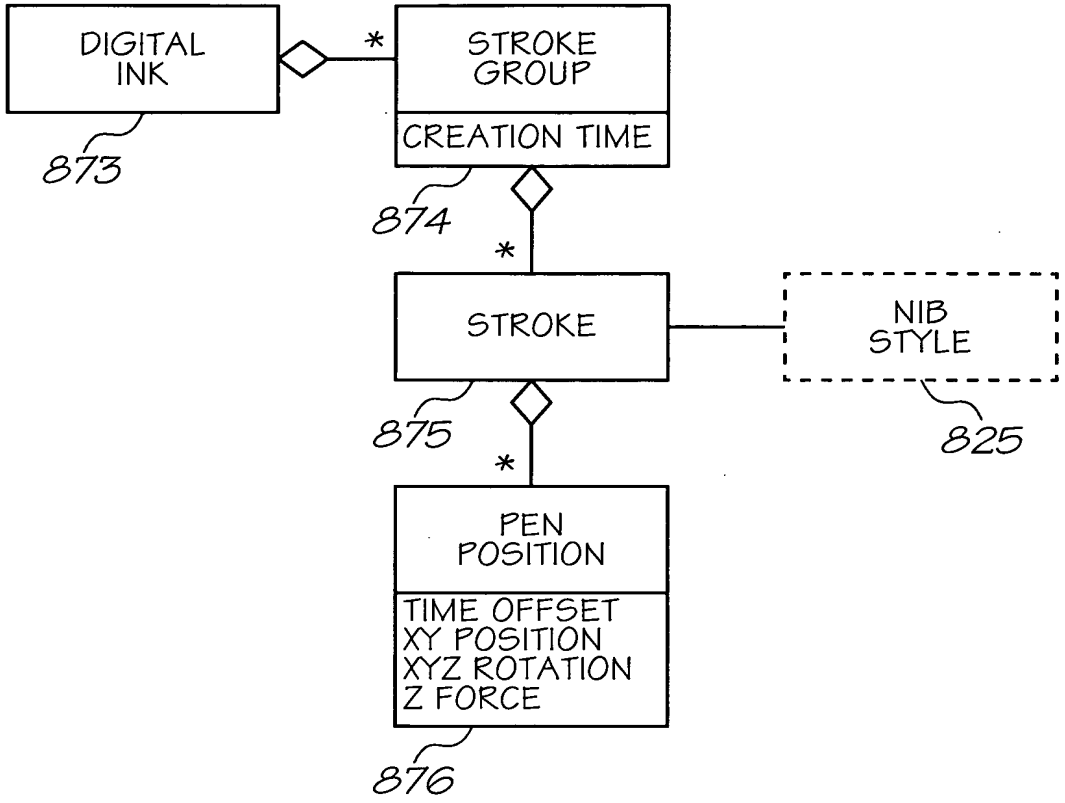


FIG. 33

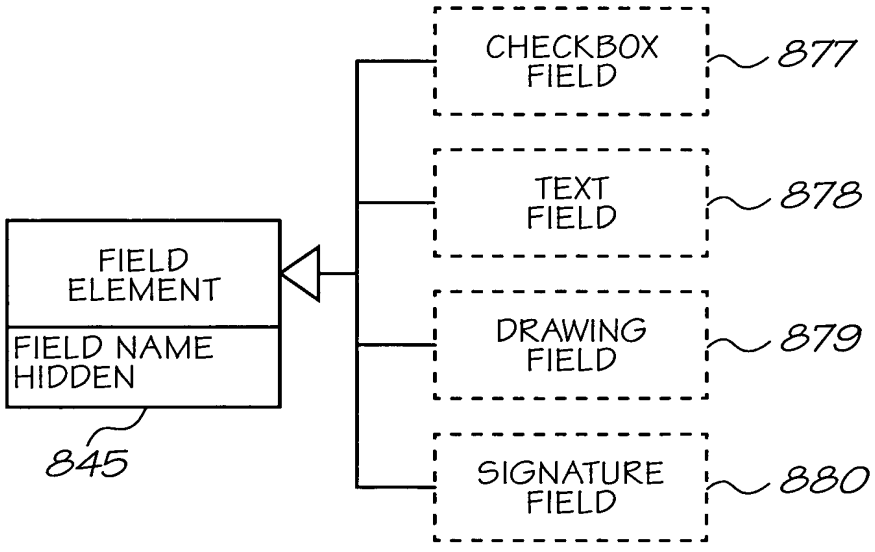


FIG. 34

09540055 - 053000

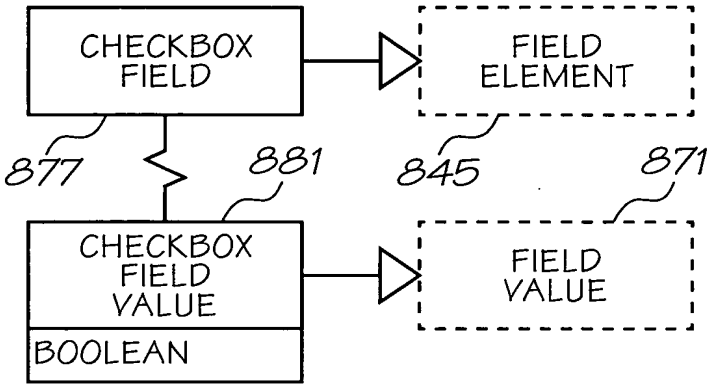


FIG. 35

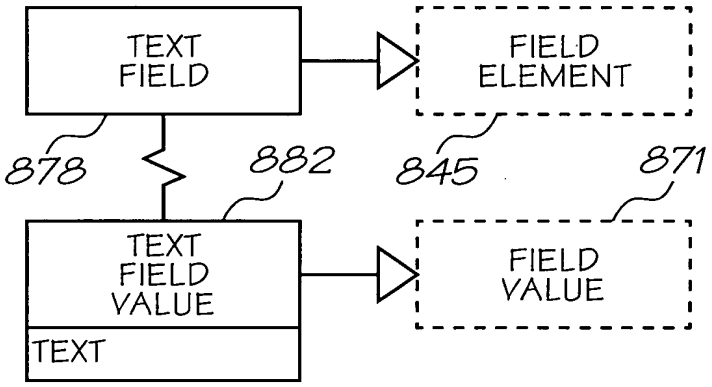


FIG. 36

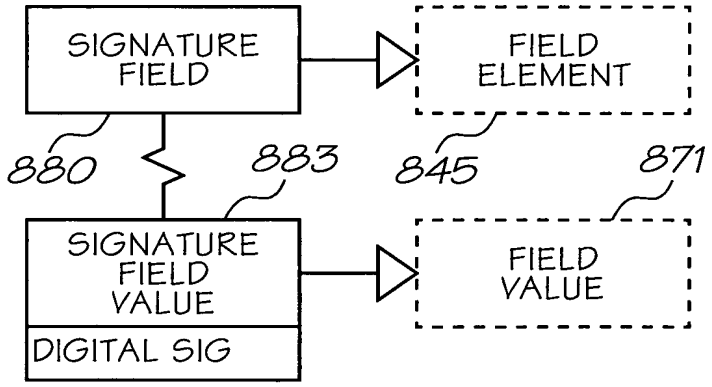


FIG. 37

096.0095.06.3000

09610095 - 063000

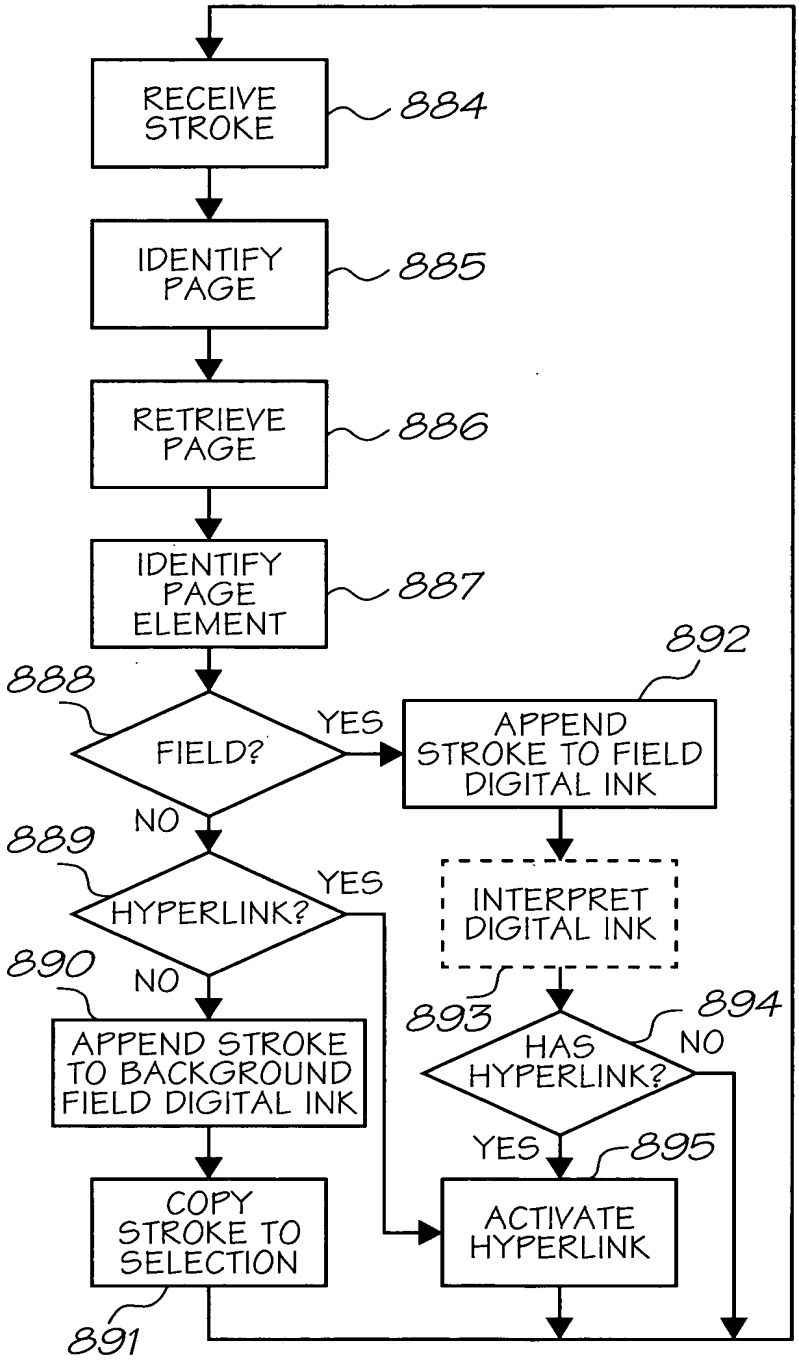


FIG. 38

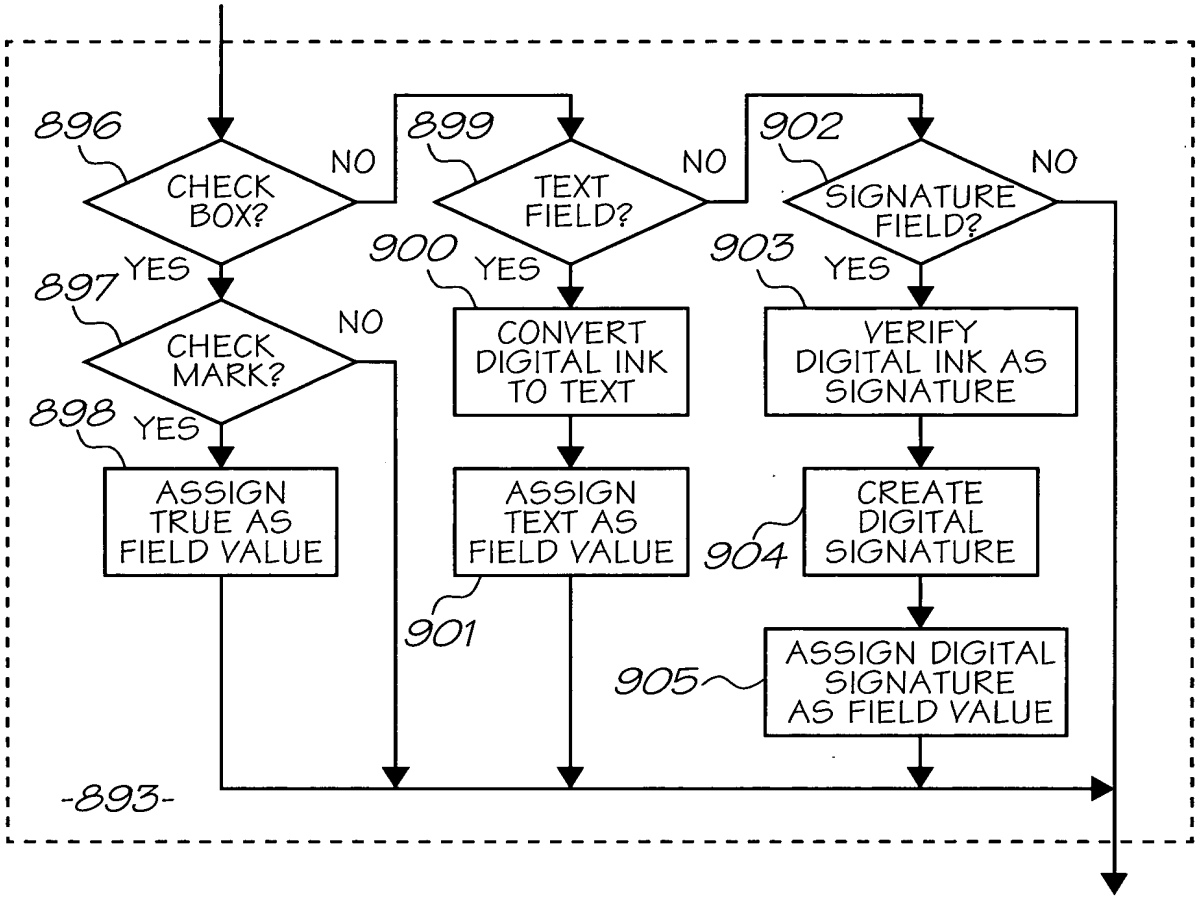

896
CHECK BOX?
NO
899
TEXT FIELD?
NO
902
SIGNATURE FIELD?
NO
YES
897
CHECK MARK?
NO
YES
900
CONVERT DIGITAL INK TO TEXT
YES
903
VERIFY DIGITAL INK AS SIGNATURE
YES
898
ASSIGN TRUE AS FIELD VALUE
ASSIGN TEXT AS FIELD VALUE
901
CREATE DIGITAL SIGNATURE
904
ASSIGN DIGITAL SIGNATURE AS FIELD VALUE
905
-893-

FIG. 38a

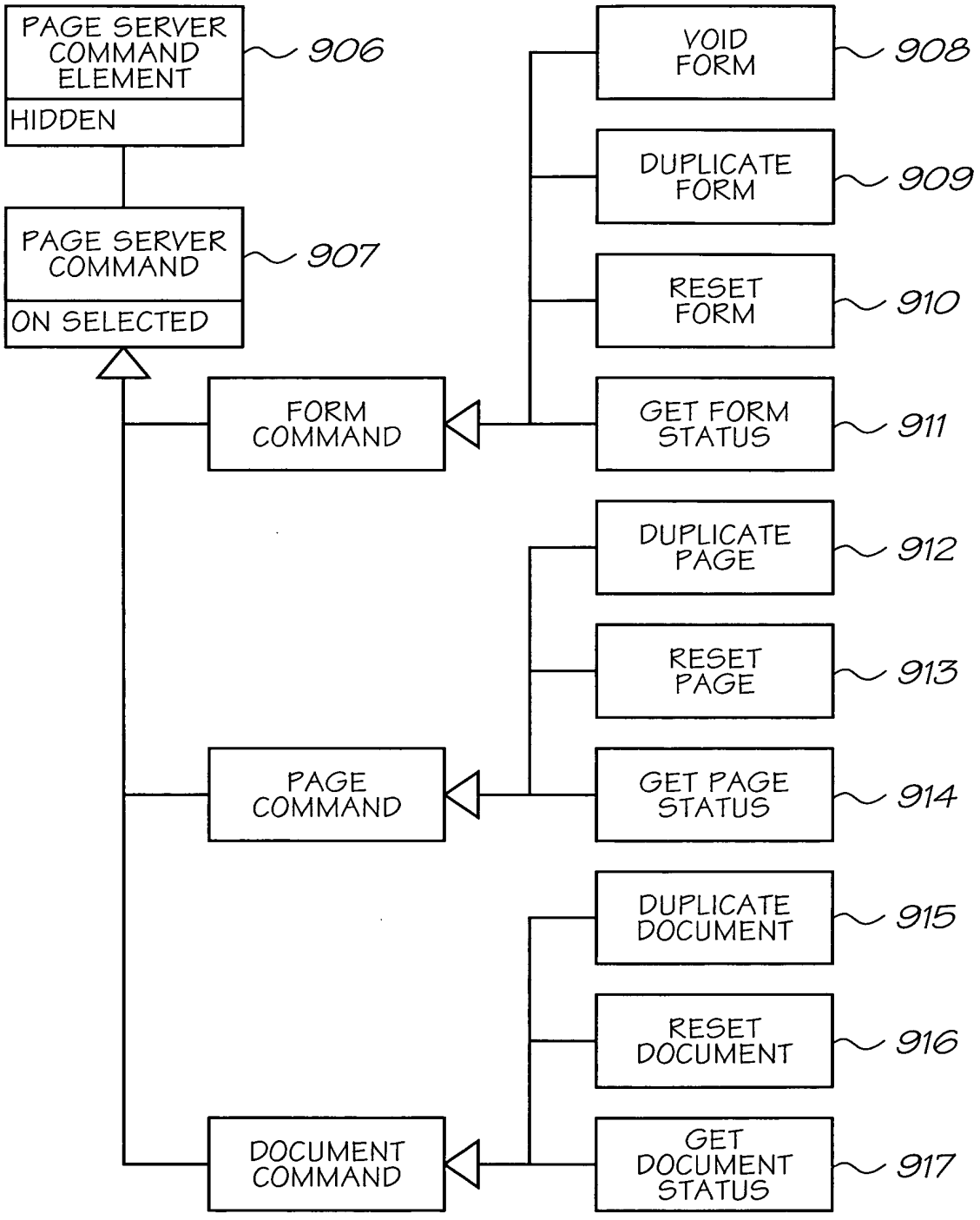

PAGE SERVER COMMAND ELEMENT
HIDDEN
906
PAGE SERVER COMMAND
ON SELECTED
907
FORM COMMAND
VOID FORM
908
DUPLICATE FORM
909
RESET FORM
910
GET FORM STATUS
911
PAGE COMMAND
DUPLICATE PAGE
912
RESET PAGE
913
GET PAGE STATUS
914
DOCUMENT COMMAND
DUPLICATE DOCUMENT
915
RESET DOCUMENT
916
GET DOCUMENT STATUS
917

FIG. 39

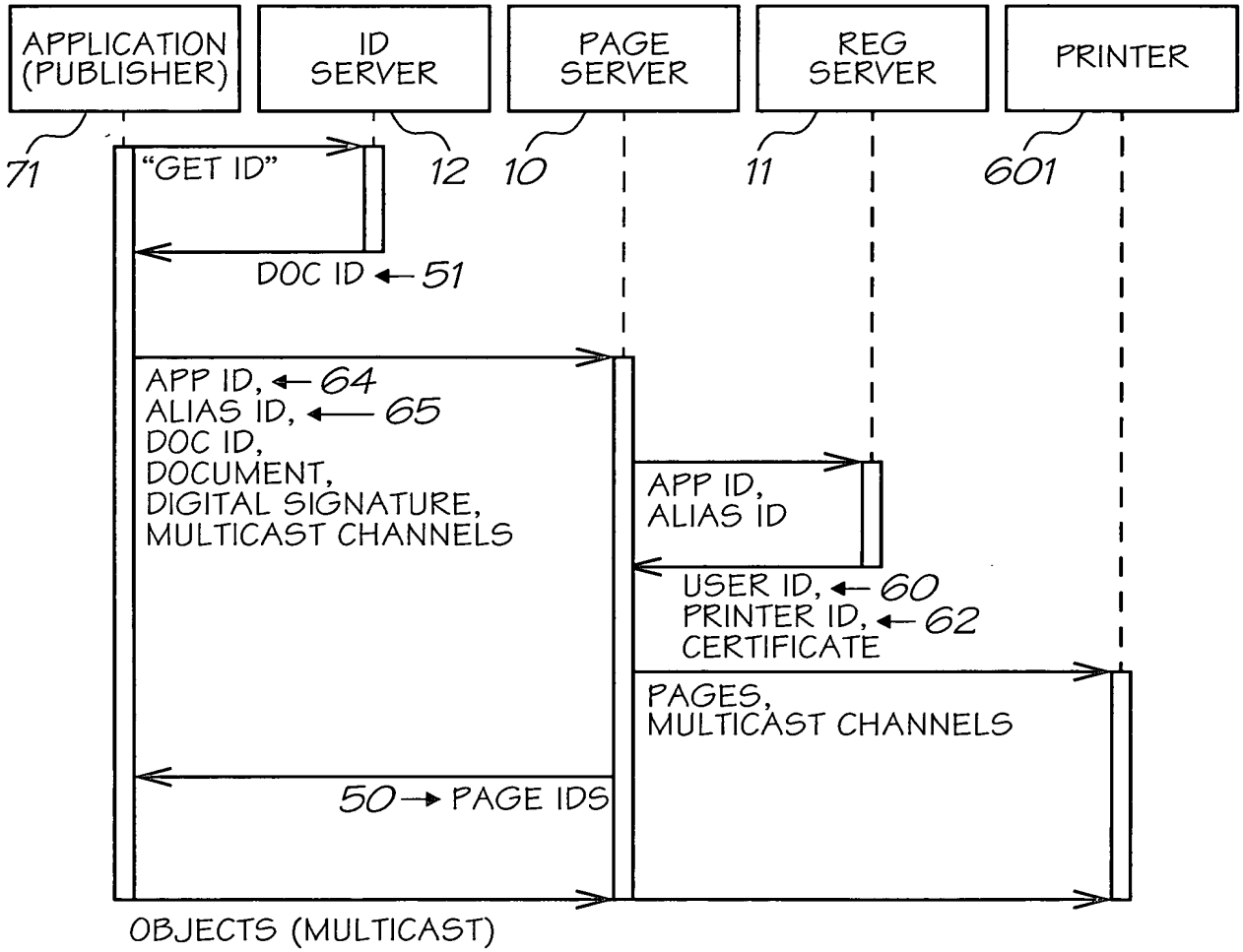

APPLICATION (PUBLISHER)
ID SERVER
PAGE SERVER
REG SERVER
PRINTER
71
12
10
11
601
"GET ID"
DOC ID ← 51
APP ID, ← 64
ALIAS ID, ← 65
DOC ID,
DOCUMENT,
DIGITAL SIGNATURE,
MULTICAST CHANNELS
APP ID,
ALIAS ID
USER ID, ← 60
PRINTER ID, ← 62
CERTIFICATE
PAGES,
MULTICAST CHANNELS
50 → PAGE IDS
OBJECTS (MULTICAST)

FIG. 40

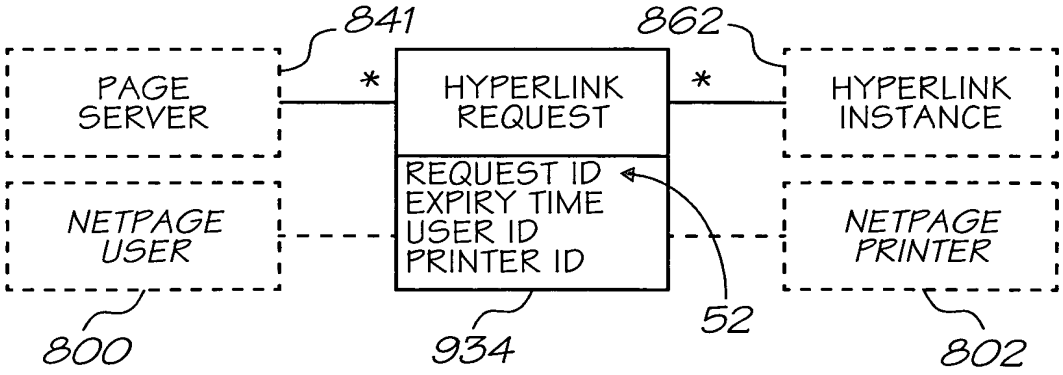

841
862
PAGE SERVER
*
HYPERLINK REQUEST
*
HYPERLINK INSTANCE
REQUEST ID
EXPIRY TIME
USER ID
PRINTER ID
NETPAGE USER
NETPAGE PRINTER
52
800
934
802

FIG. 41

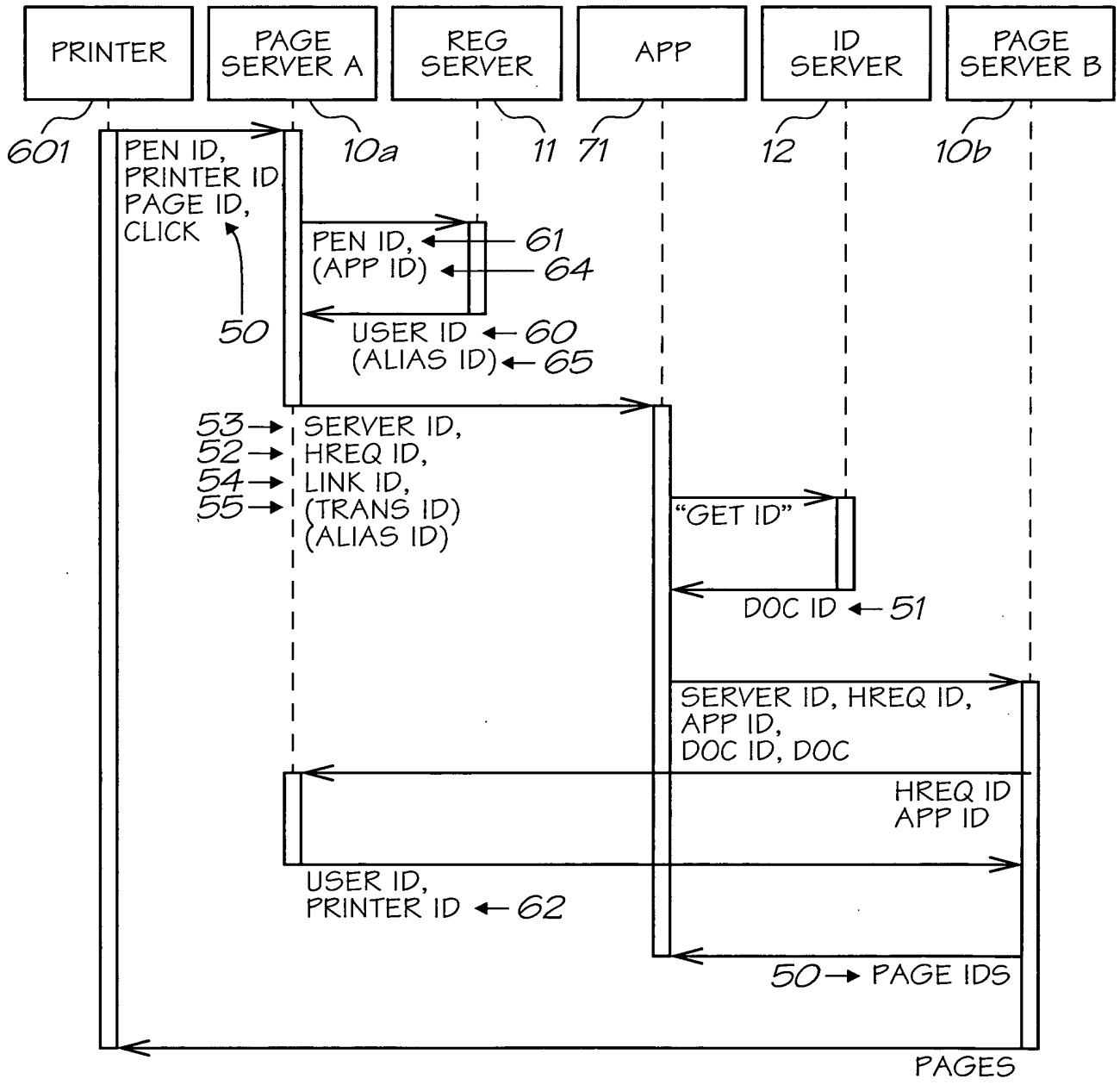


FIG. 42

09610095 - 063000

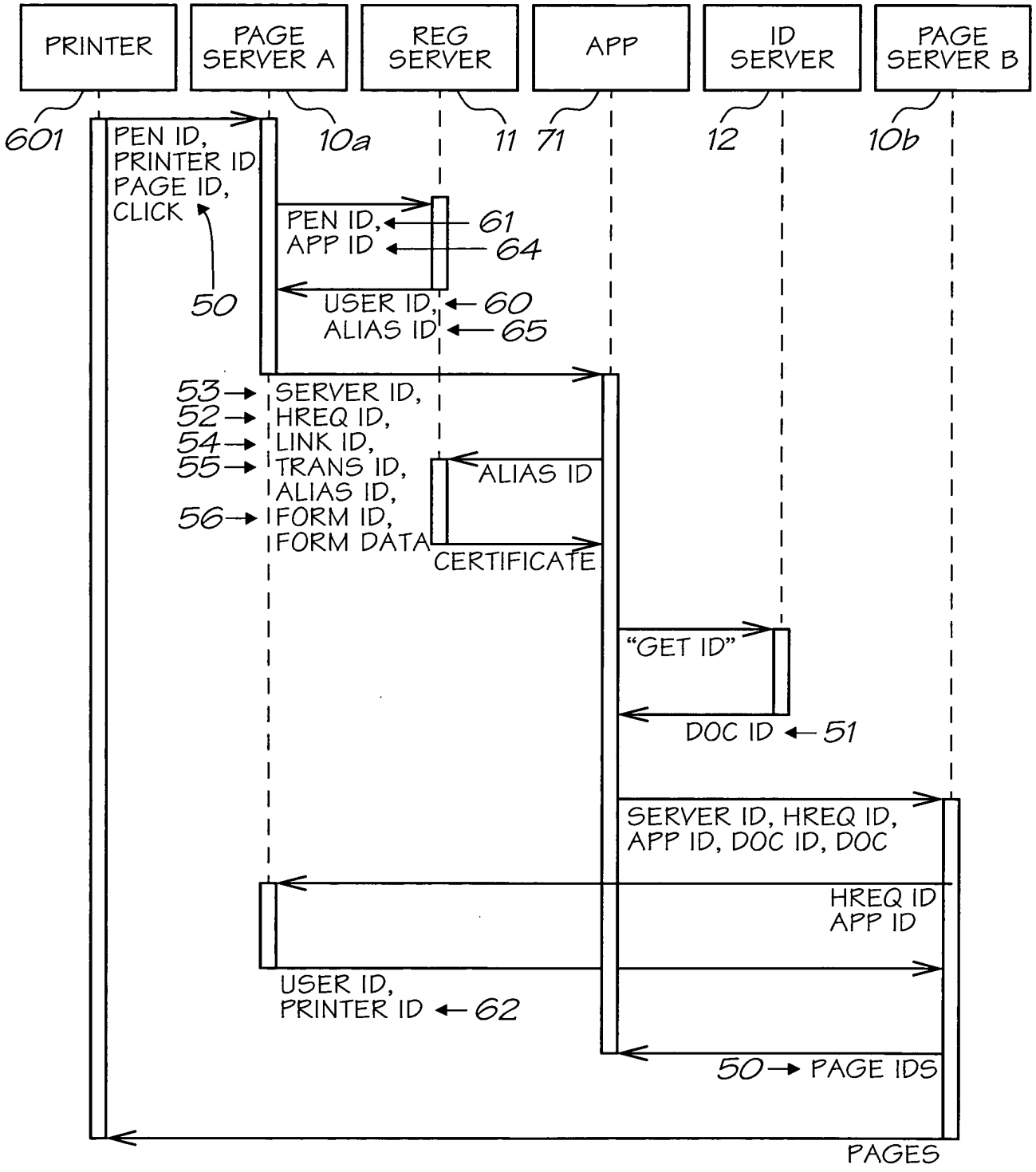


FIG. 43

09610095 - 063000

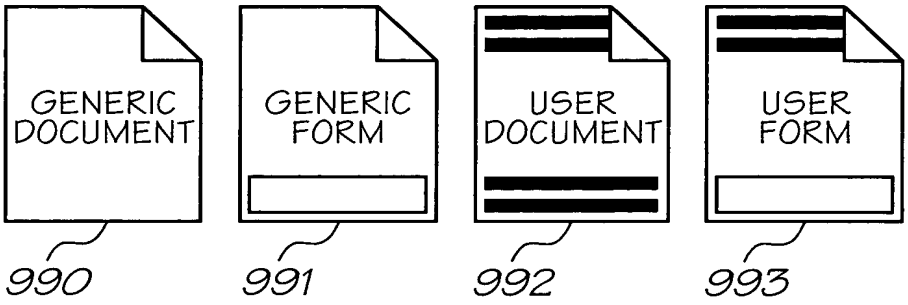


FIG. 44

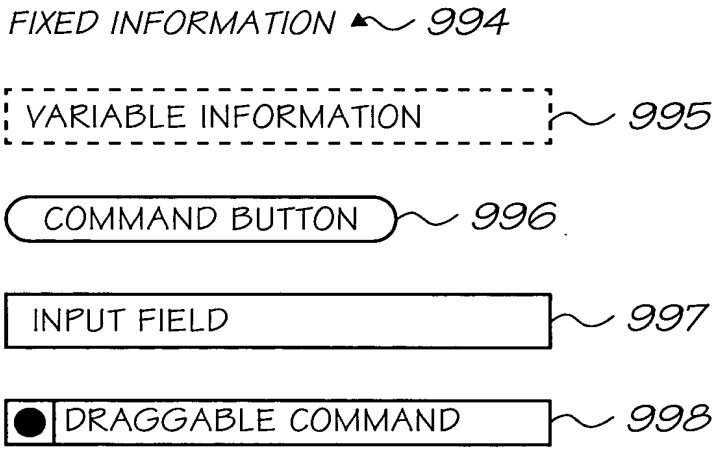


FIG. 45

09610035 - 053000

09100095 - 060300

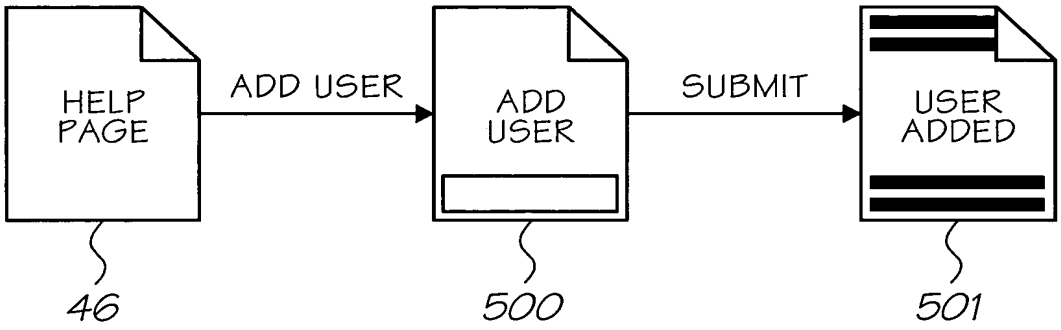


FIG. 46

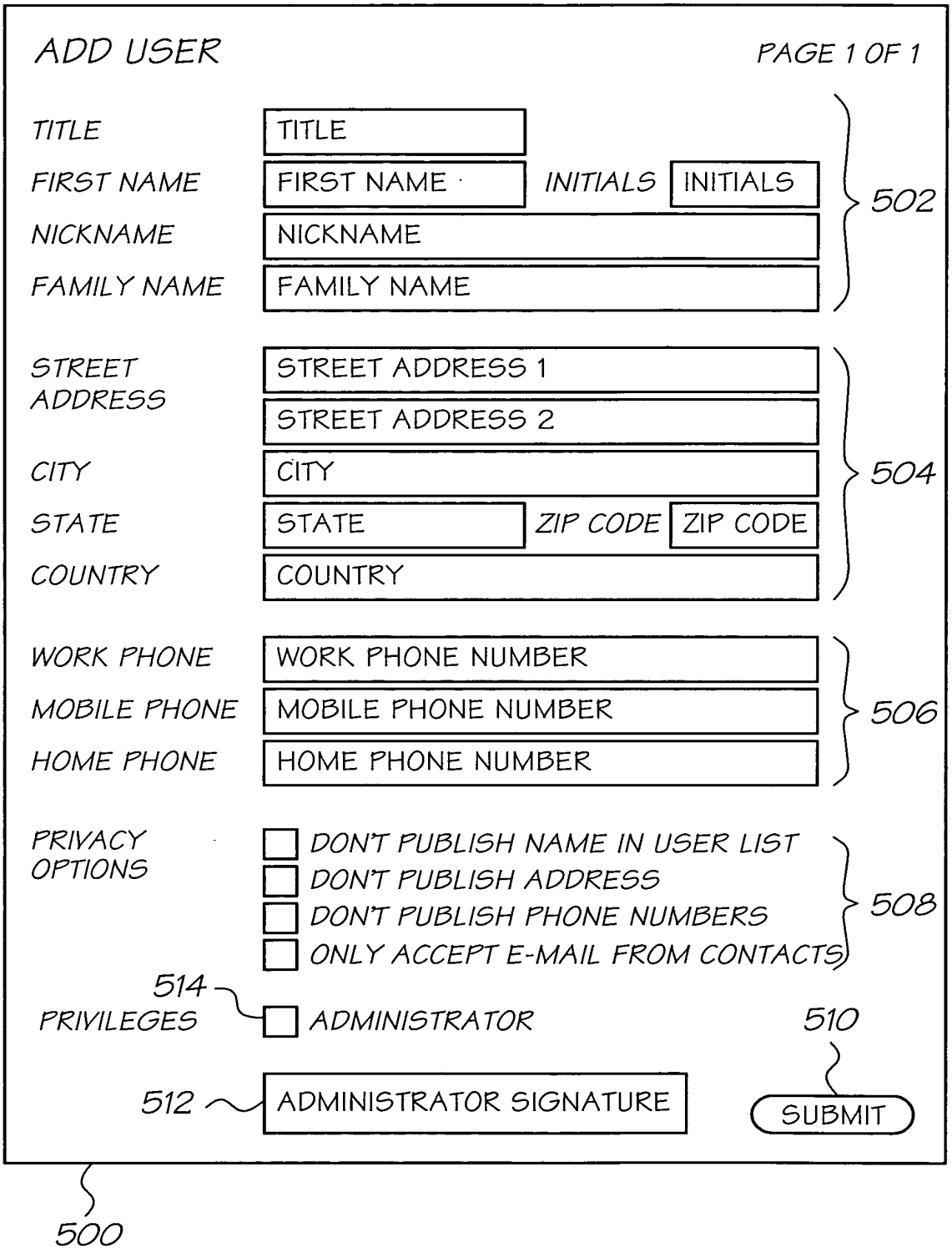


FIG. 47

09610095 - 053000

09610095 - 063008

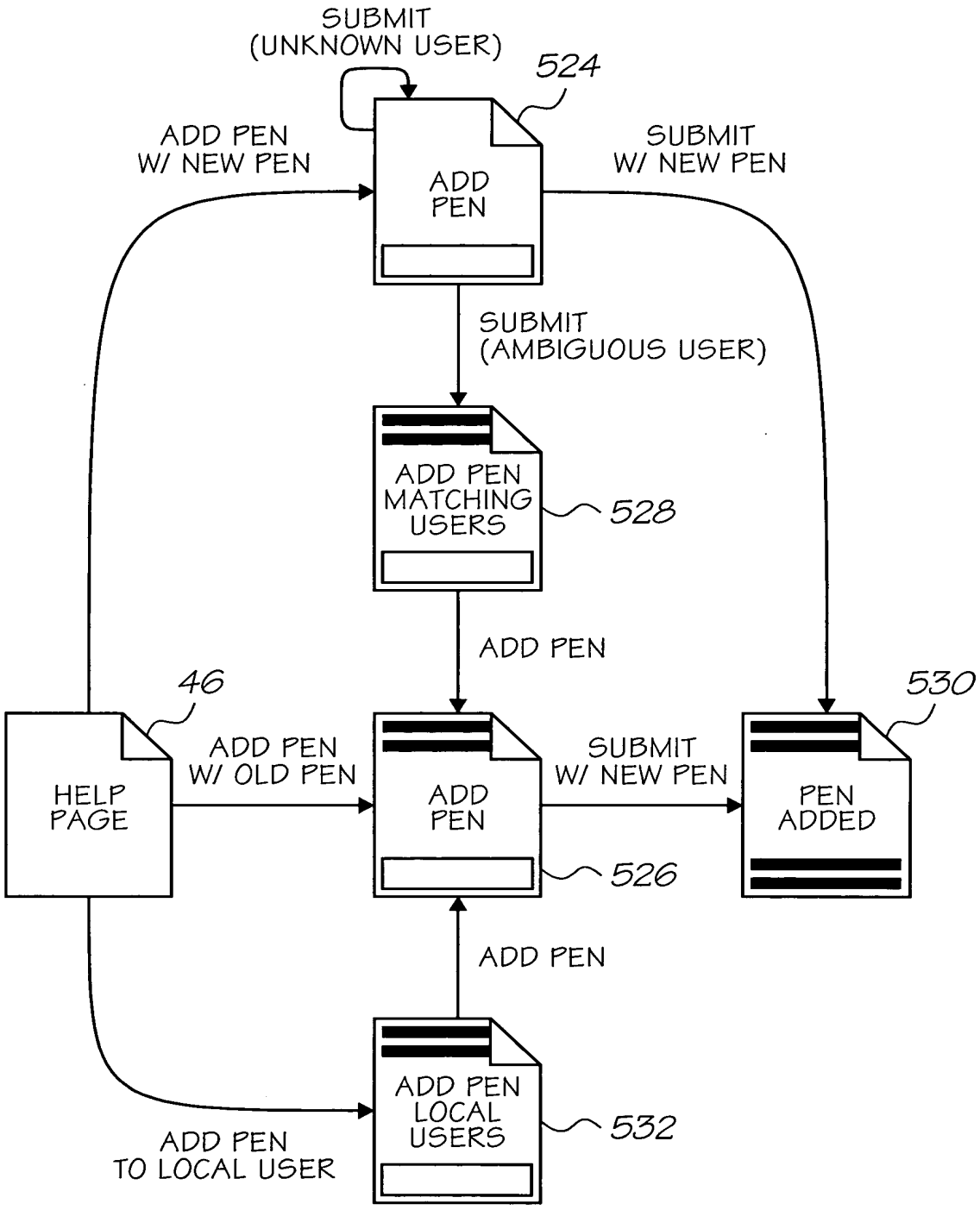


FIG. 48

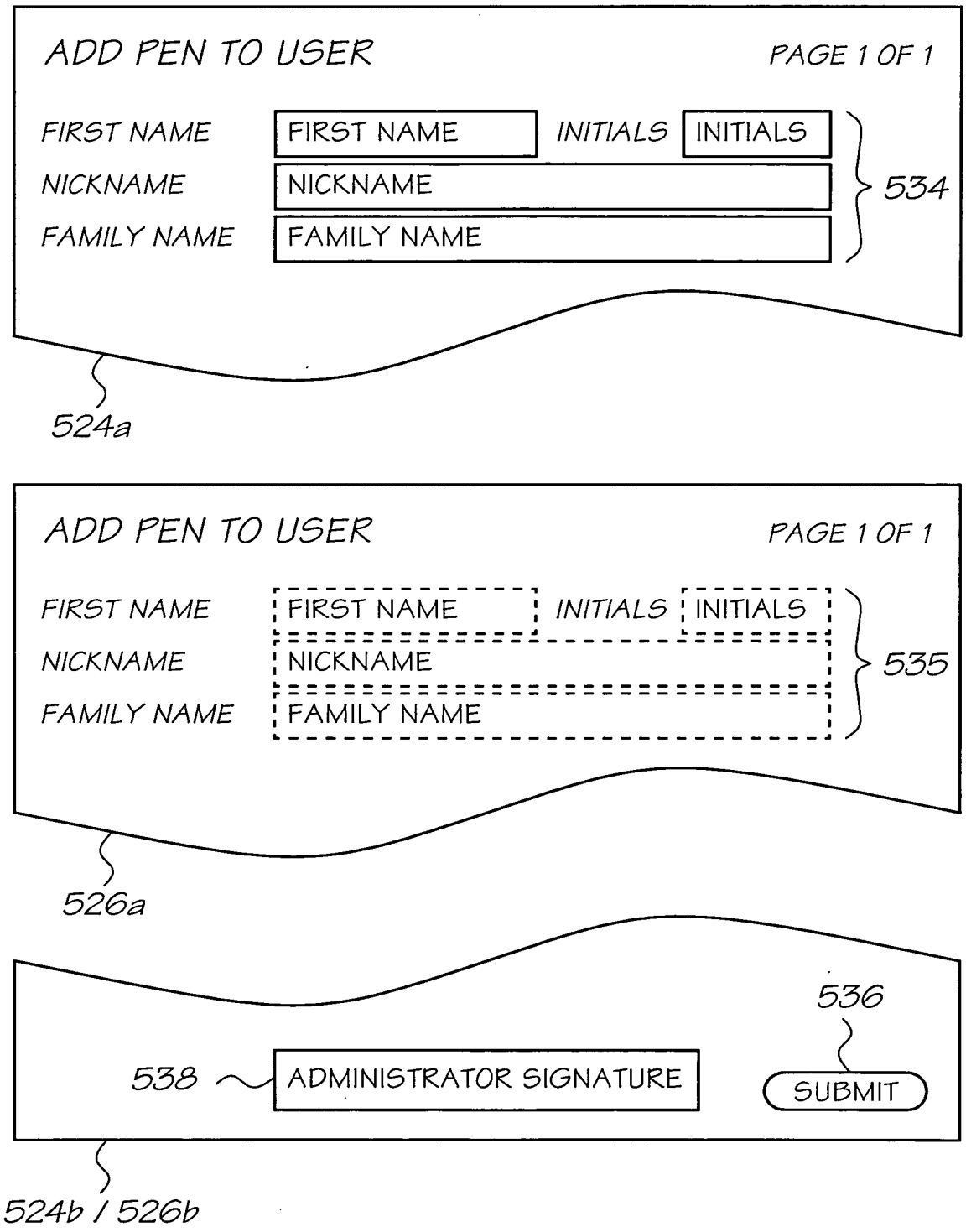


FIG. 49

09510095 - 063008

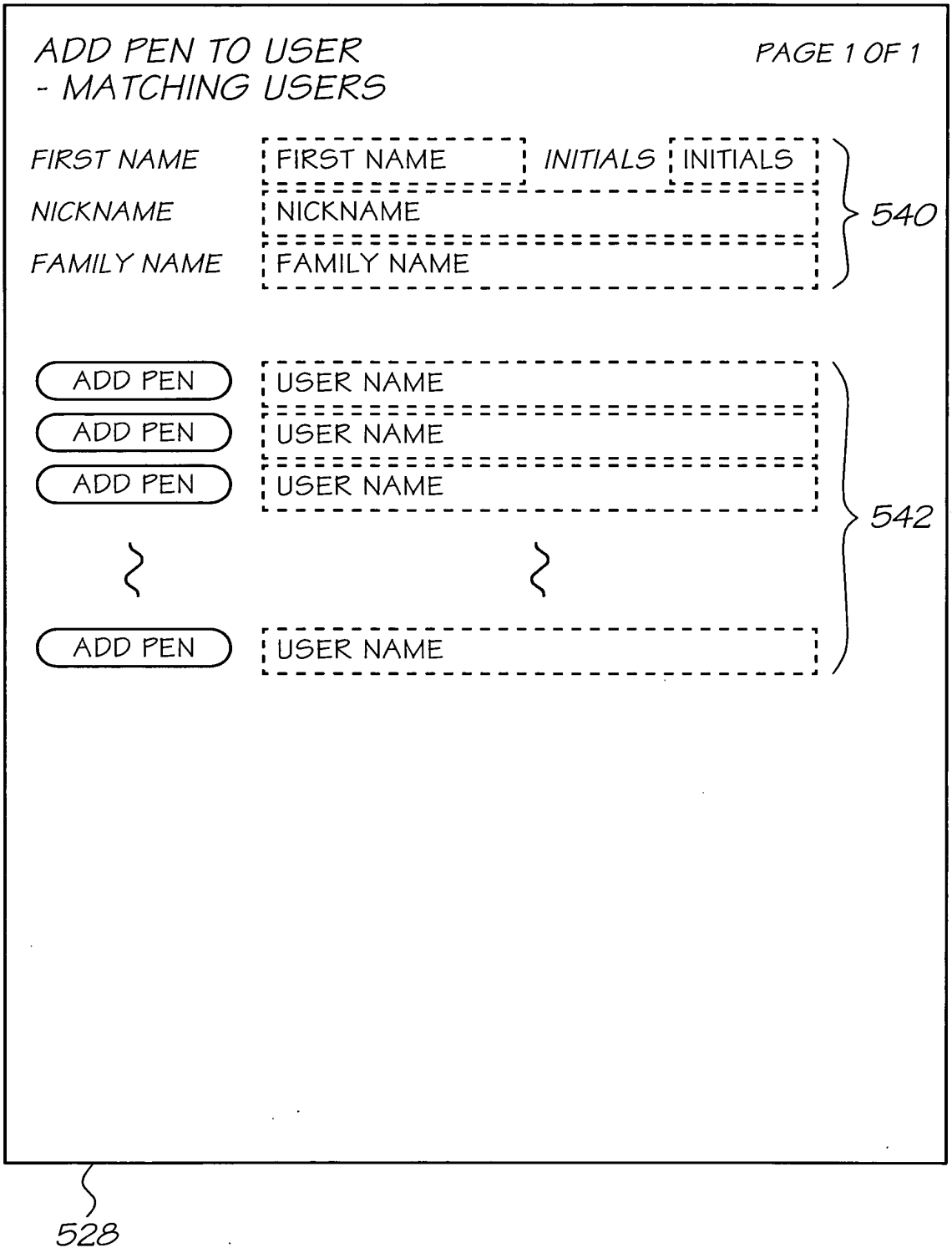


FIG. 50

09643095 - 062000

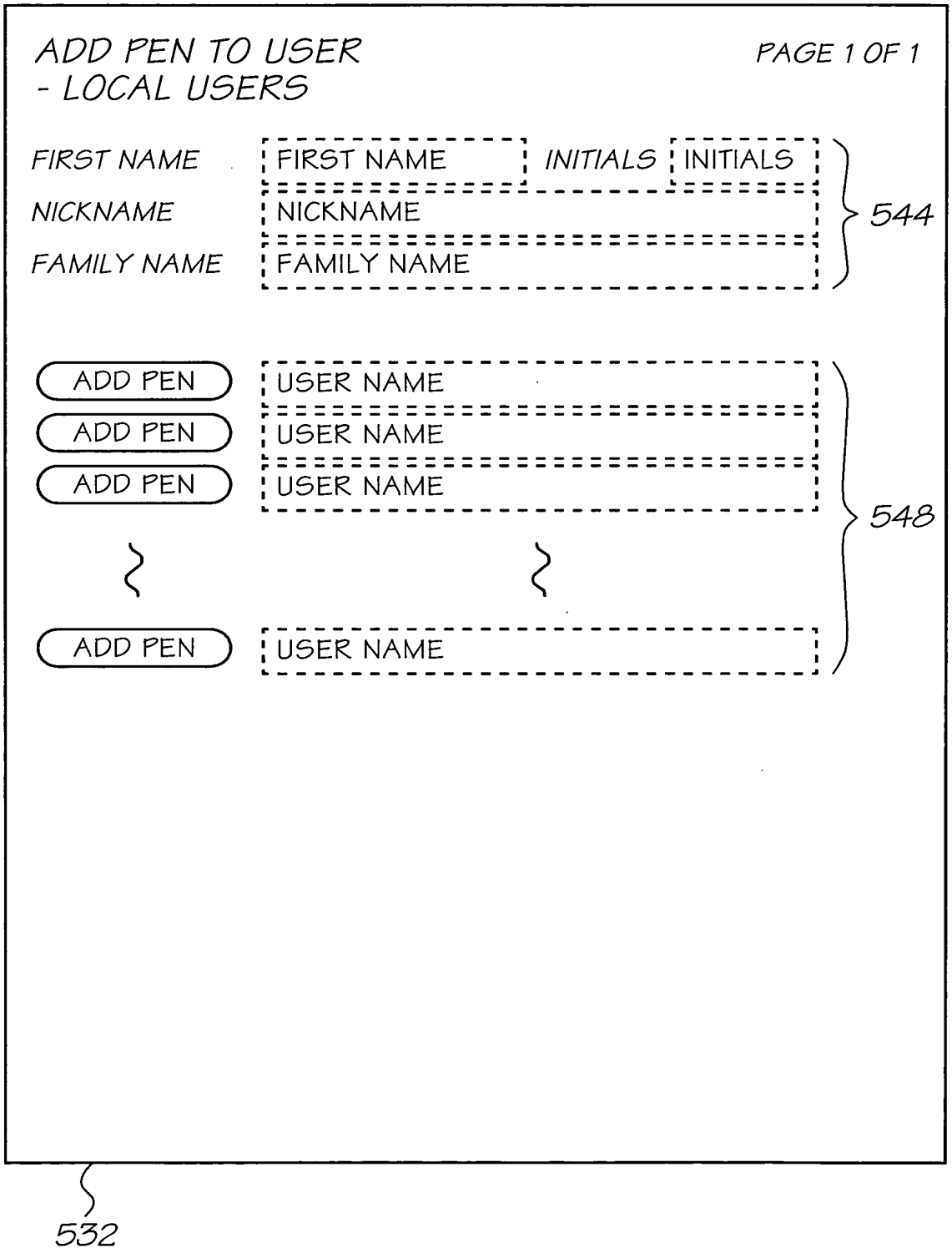


FIG. 51

05.1005 - 06300

09610095 - 063000

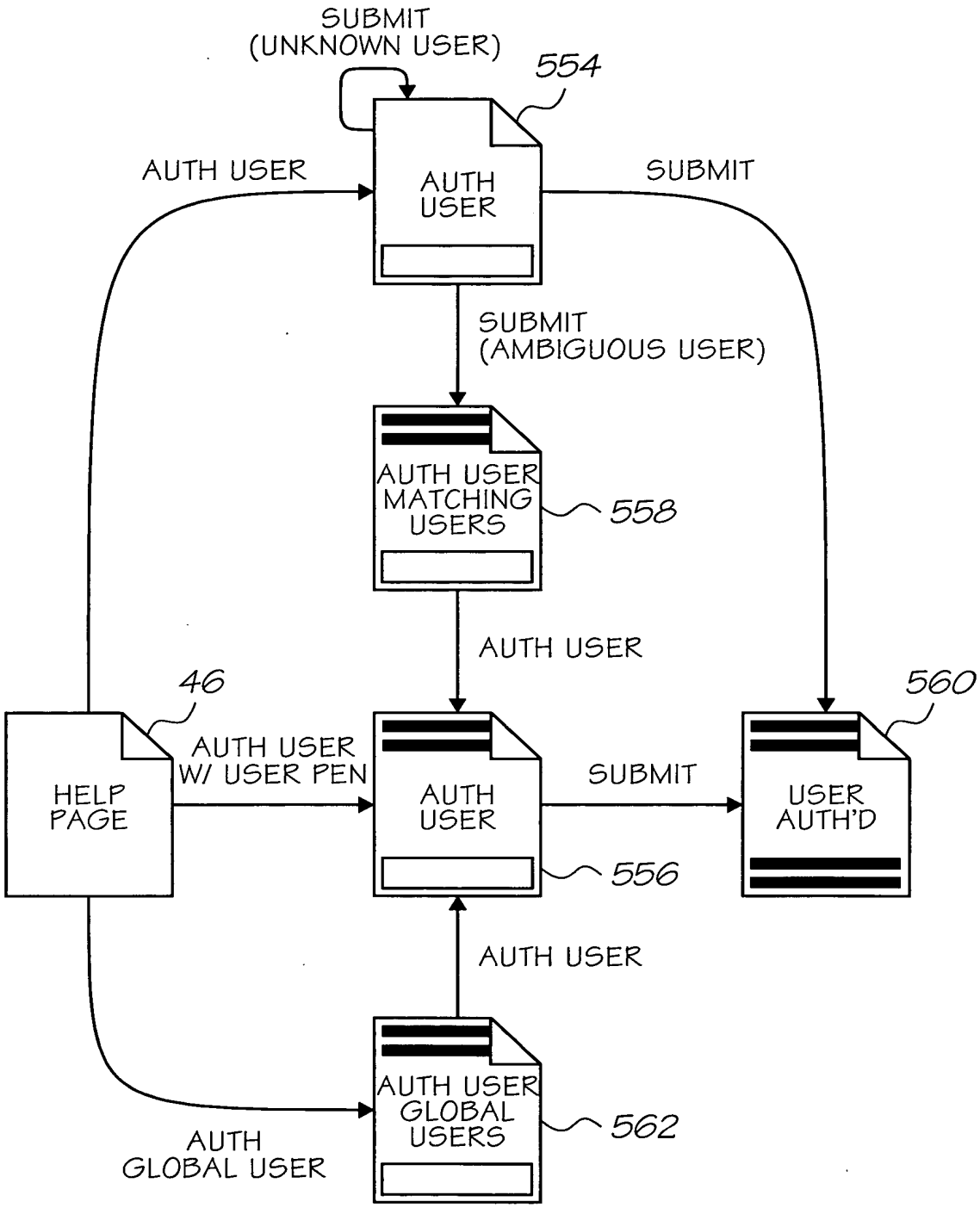


FIG. 52

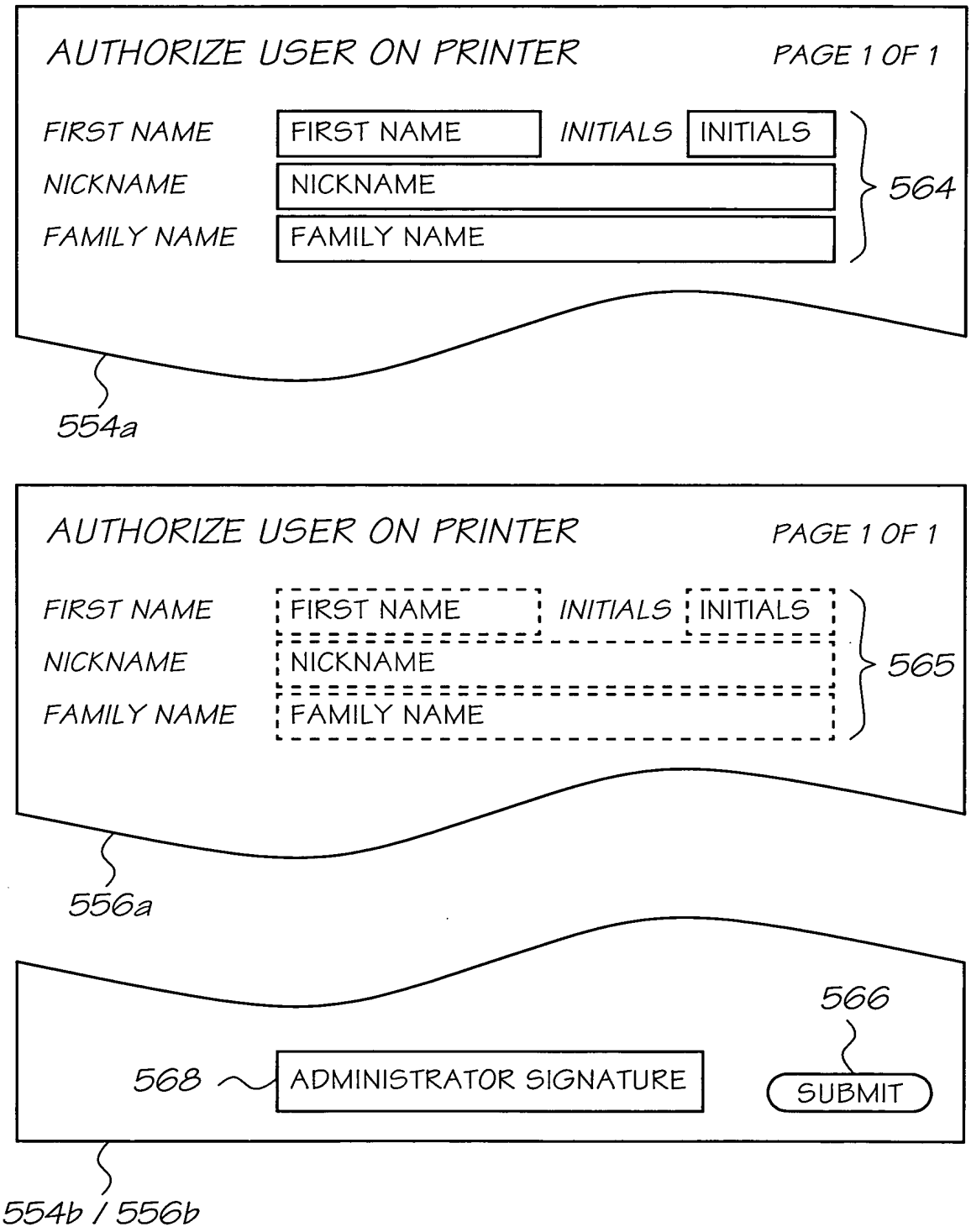
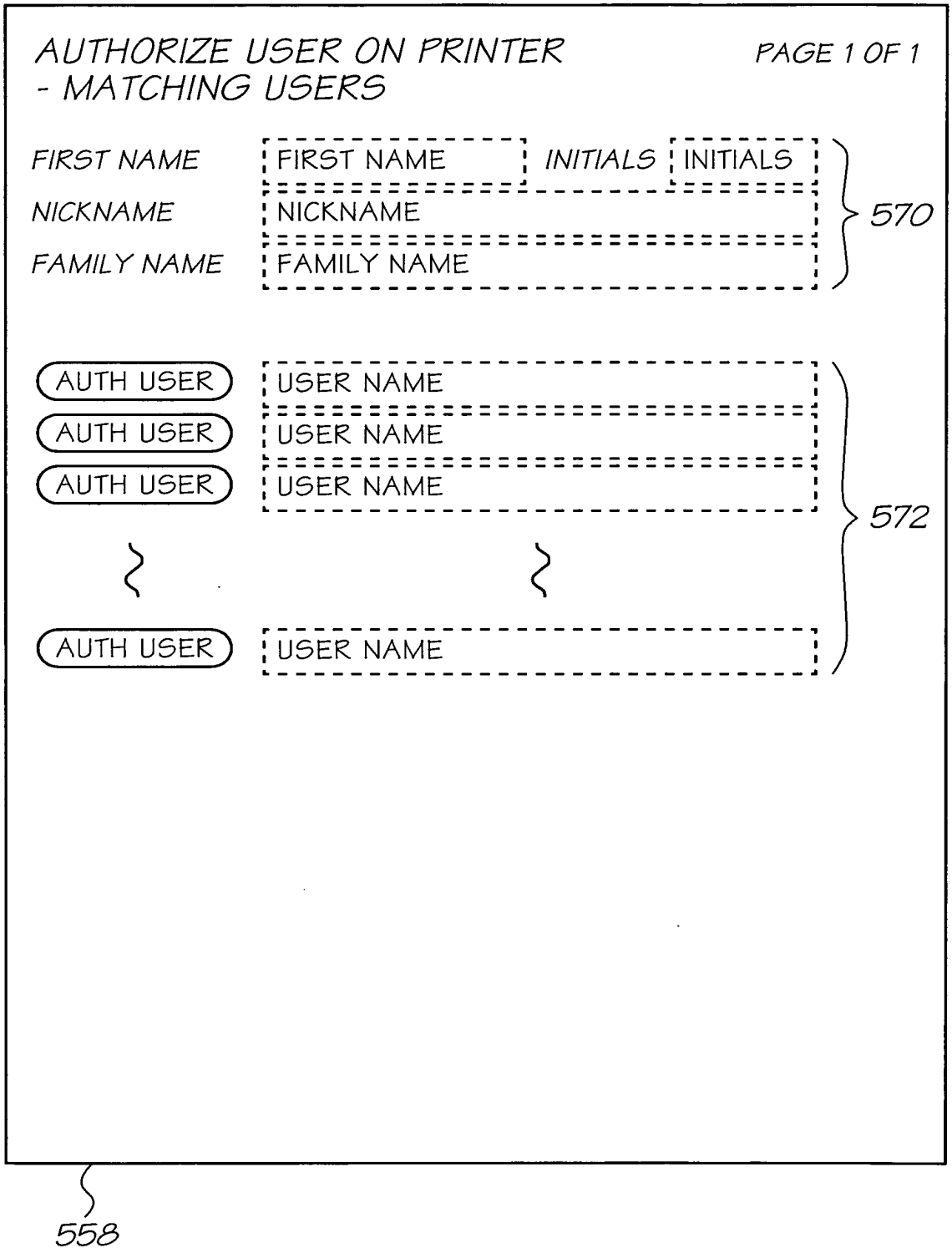


FIG. 53

0096095.0600


AUTHORIZE USER ON PRINTER
- MATCHING USERS
PAGE 1 OF 1
FIRST NAME
FIRST NAME
INITIALS
INITIALS
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NICKNAME
FAMILY NAME
FAMILY NAME
570
AUTH USER
USER NAME
AUTH USER
USER NAME
AUTH USER
USER NAME
AUTH USER
USER NAME
572
558

FIG. 54

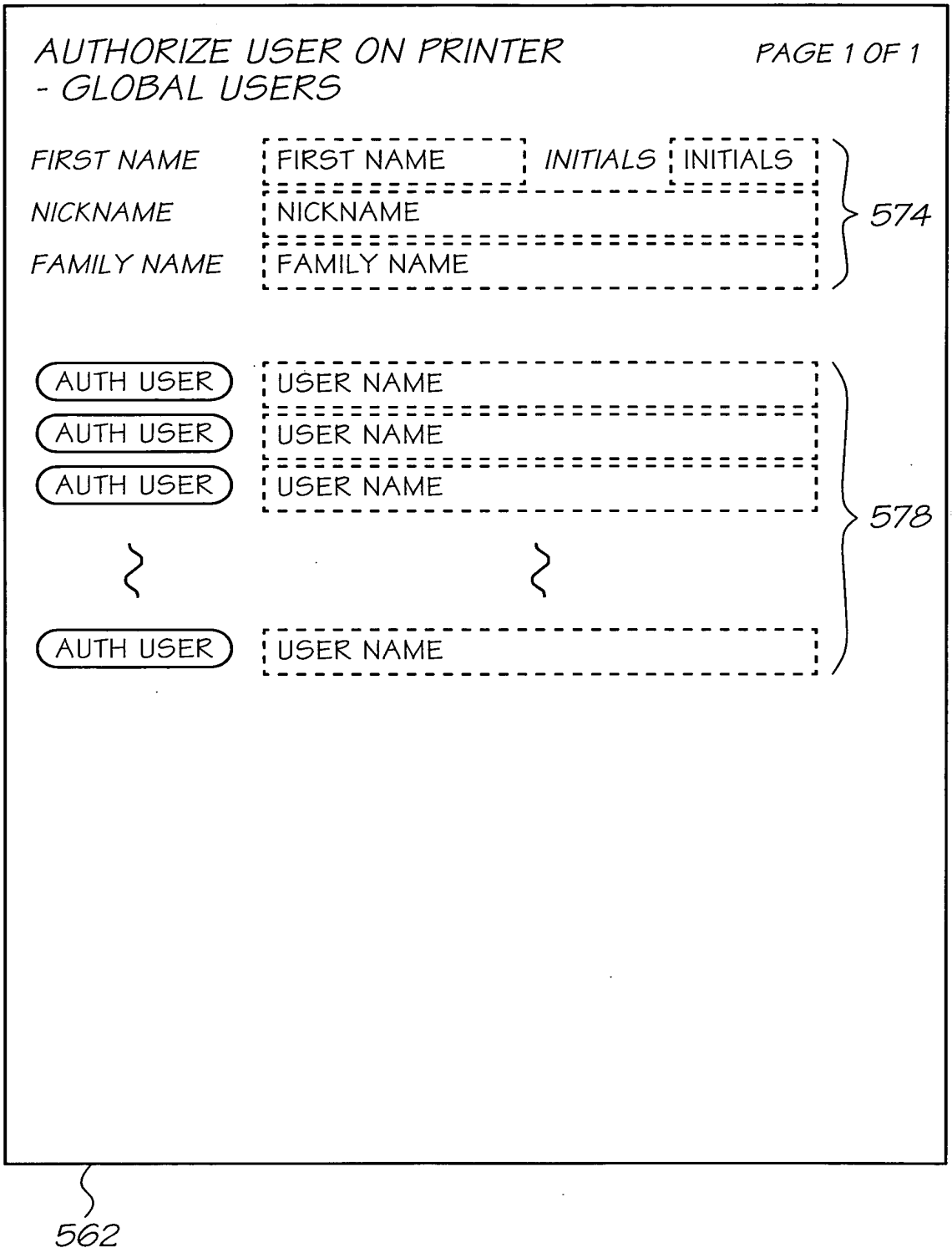

FIG. 55

0564005 - 063000